WUNDERLICH
Metal Ceilings

WUNDERLICH
METAL CEILINGS
and other manufactures in
STAMPED METAL

For over fifty years Wunderlich Ceilings have been renowned for their beauty, safety and permanence. No other ceiling medium affords these three characteristics to such a marked degree, for Wunderlich Ceilings are modern in design, are fire resisting, vermin proof and will not crack or fall; once installed they give a lifetime of service without further attention. They are ideal alike for ceilings to homes and residential flats as well as to offices, stores and awnings.

As awning ceilings or treatments to areas that are semi-exposed to the weather, the use of Wunderlich Ceilings is virtually the standard practice. They enhance the appearance of display windows. All patterns that are marked with an asterisk, viz., No. 1808*, are suitable for awning ceilings. These patterns are available in Galvanised Steel, and the use of this metal is recommended for the purpose.

Wunderlich Metal Ceilings are easily erected—even over old and dilapidated ceilings (see Page 5). For the assistance of workmen when fixing, a working drawing showing the set out of battens and the ceiling sheets, etc., is furnished with each order. To enable this drawing to be correctly prepared, clients are requested to furnish the following information with their order:

1. The exact sizes of the areas to be ceiled, fireplaces, breaks, etc.
2. The direction of the ceiling joists in relation to the area.
3. Whether Steel or Galvanised Steel Materials are required.

Adherence to the range of patterns illustrated in this Catalogue will result in prompt delivery of requirements, as ample stocks are available at current list prices. Obsolete patterns that are shown in previous Wunderlich Ceiling Catalogues are not available from stock, but can, in many cases, still be supplied, subject, however, to an initial extra charge of from £2 to £3 to cover the cost of special manufacture.

To ensure immediate delivery at bedrock prices, clients are requested to restrict their selection to the designs illustrated in this booklet.

Wunderlich Limited retain at each of their Branches a staff of workmen who are skilled in the proper application of Metal Ceilings. Take advantage of this service by having your requirements fixed quickly and efficiently by Wunderlich workmen.

WUNDERLICH LTD

MANUFACTURERS OF BUILDING MATERIALS OF QUALITY

SHOWROOMS AND OFFICES :

SYDNEY
Baptist St., Redfern

NEWCASTLE
King St. (near Auckland St.)

SOUTH MELBOURNE
210 Hanna St. (near Sturt St.)

PERTH ASSOCIATES
H. L. Brisbane & Wunderlich Ltd. Lord and Short Sts.

ADELAIDE
Cnr. Grote and Morphett Sts.

HOBART
T. & G. Building, Collins St.

BRISBANE
Amelia St., Valley

LAUNCESTON
137 Cimitiere St.

M105—1/6/1940

Wunderlich Metal Ceilings

WUNDERLICH METAL CEILINGS

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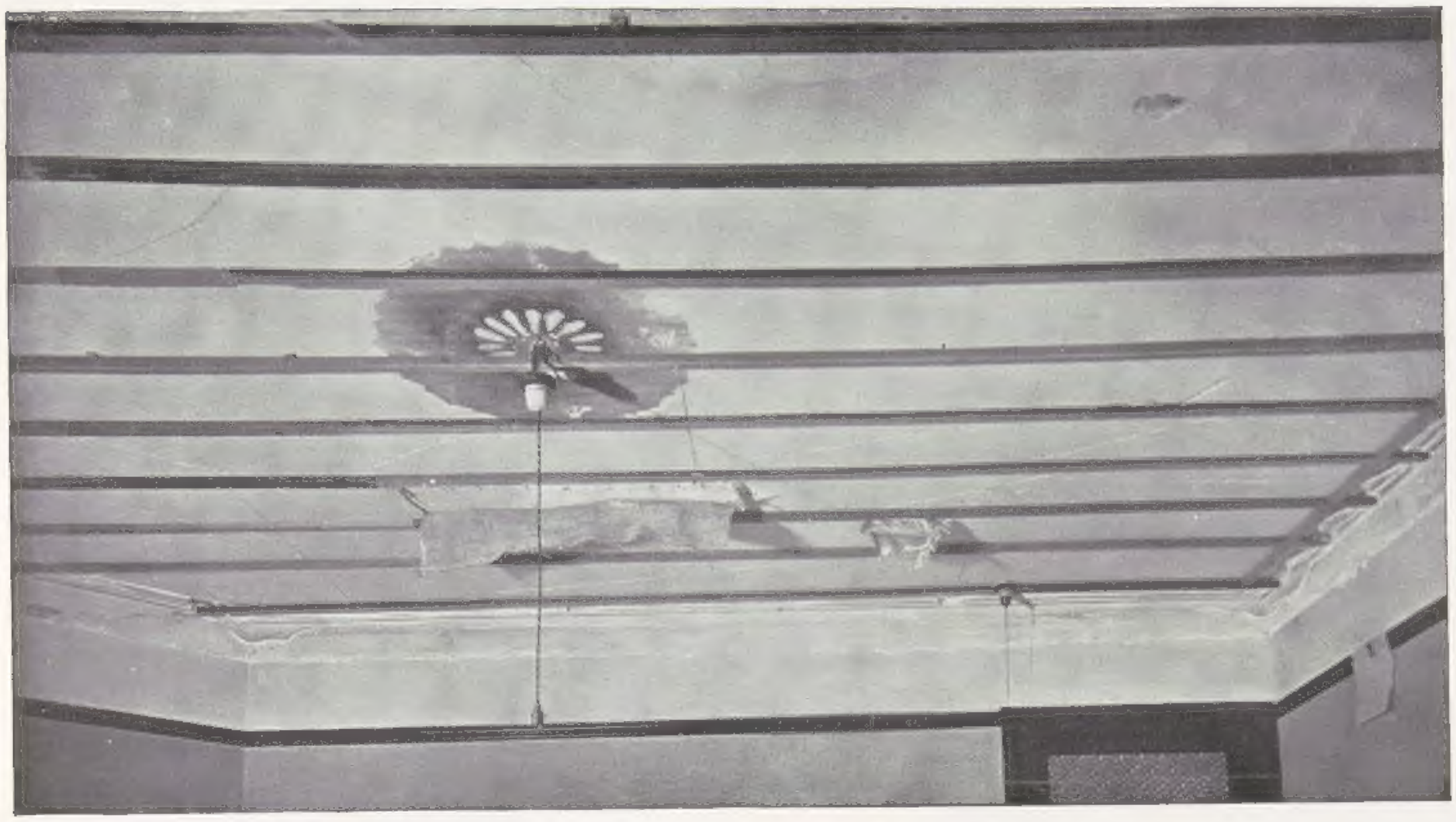
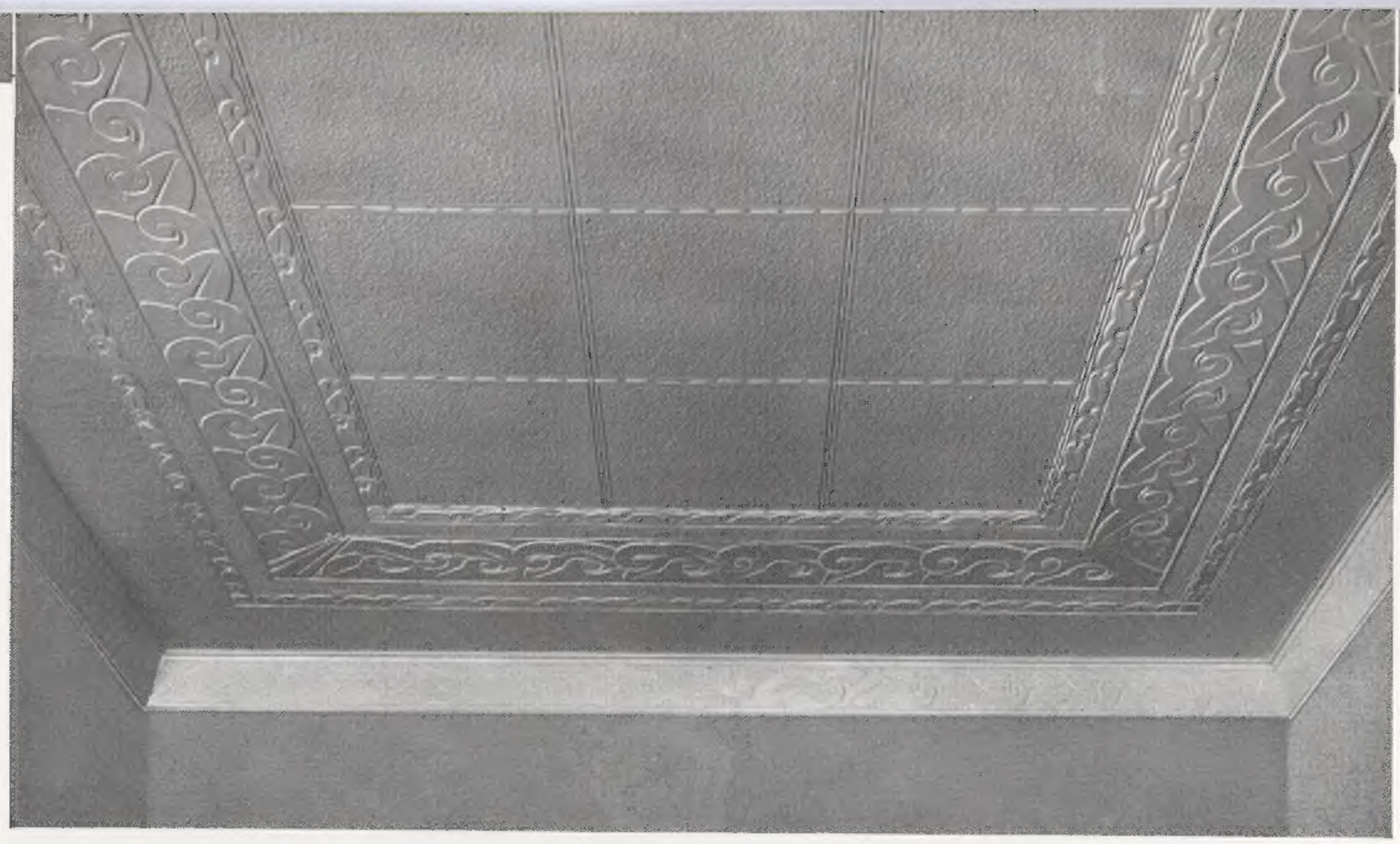
COVER THAT UNSIGHTLY OLD CEILING WITH A BEAUTIFUL, SAFE, PERMANENT WUNDERLICH METAL CEILING



Battens in position preparatory to covering a damaged lath and plaster ceiling with Wunderlich Metal.

The complete Wunderlich Metal Ceiling—Suite Nos. 1623-1624—installed and decorated.

Refer to Page 7 for further particulars of this Suite.

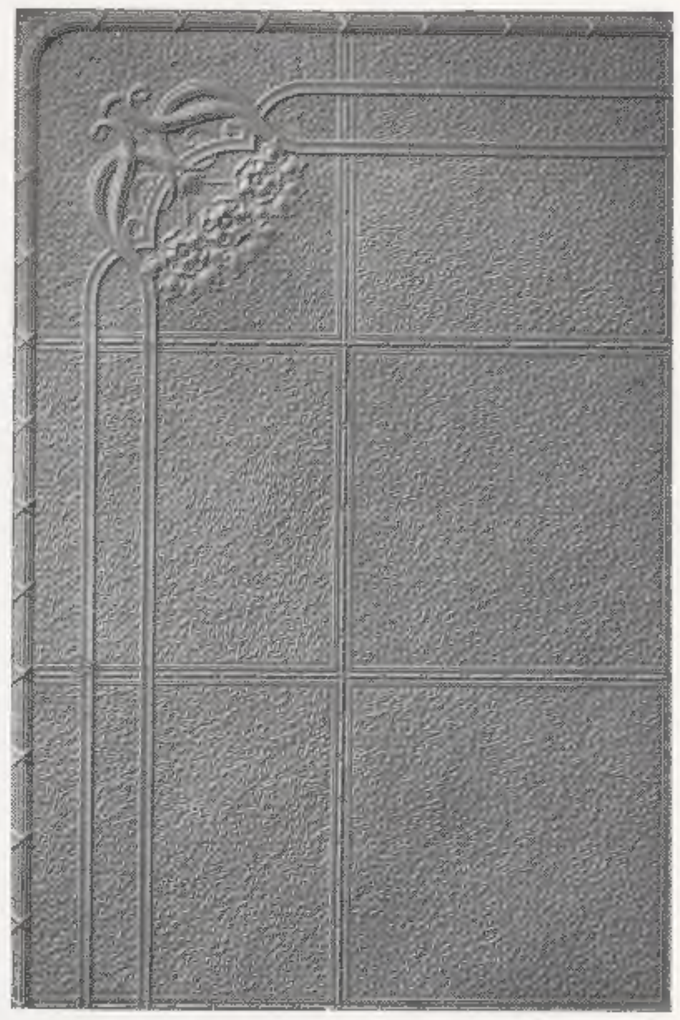


Moulded Design comprising Suite No. 1719 Border Panelling (6ft. x 2ft. and 2ft. x 2ft.), No. 1718 Corner Panel (2ft. x 2ft.), No. 1578 Filler Panelling (6ft. x 2ft.).

No. 1560—Border Panelling, 6ft. x 2ft. and 2ft. x 2ft.

No. 1561—Corner Panel, 2ft. x 2ft.

No. 1501—Filler Panelling, 6ft. x 2ft.

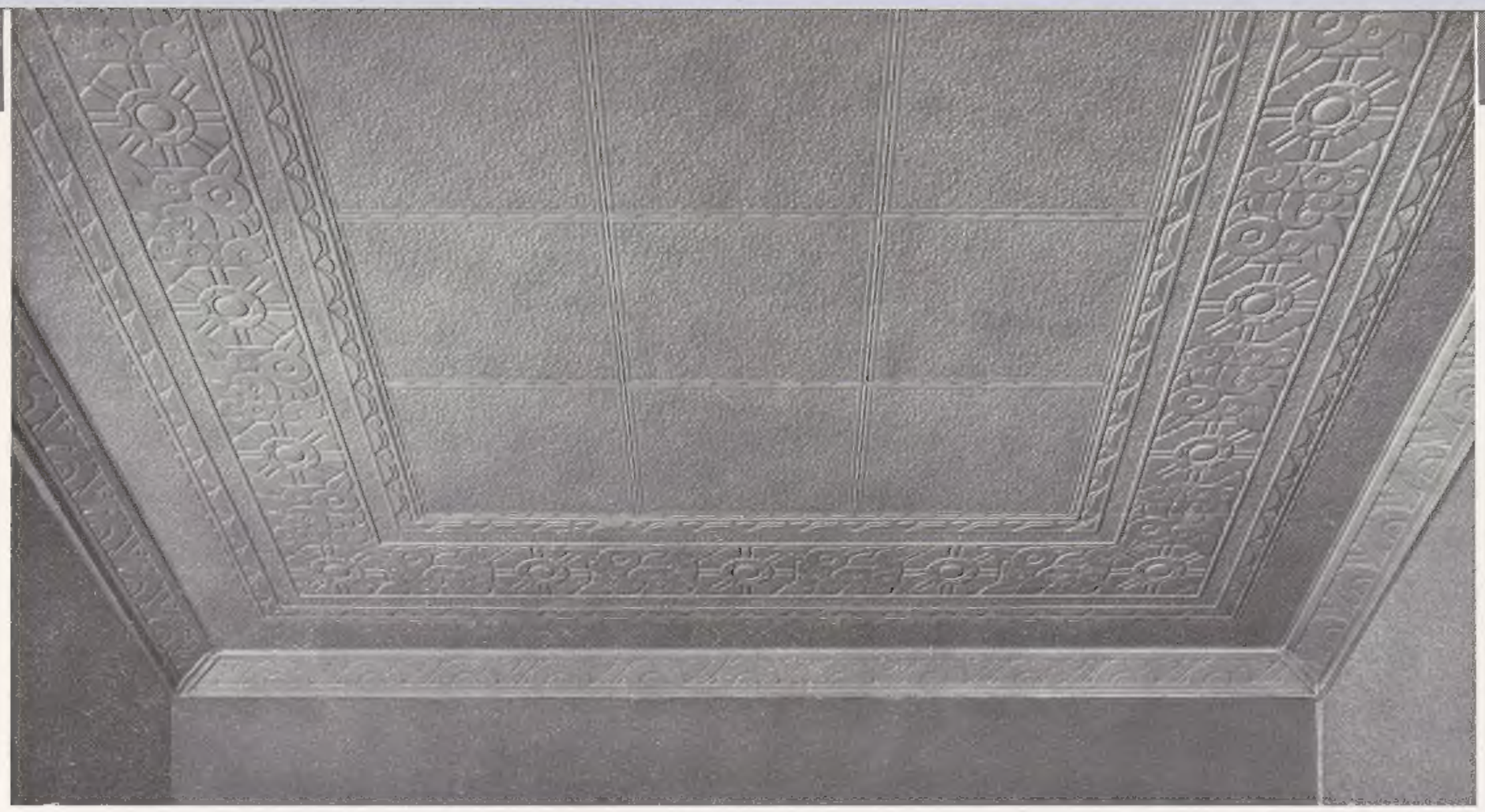


No. 1575—Corner Panel, 2ft. x 2ft.

No. 1577—Plain Border Panelling, 6ft. x 2ft. and 2ft. x 2ft.

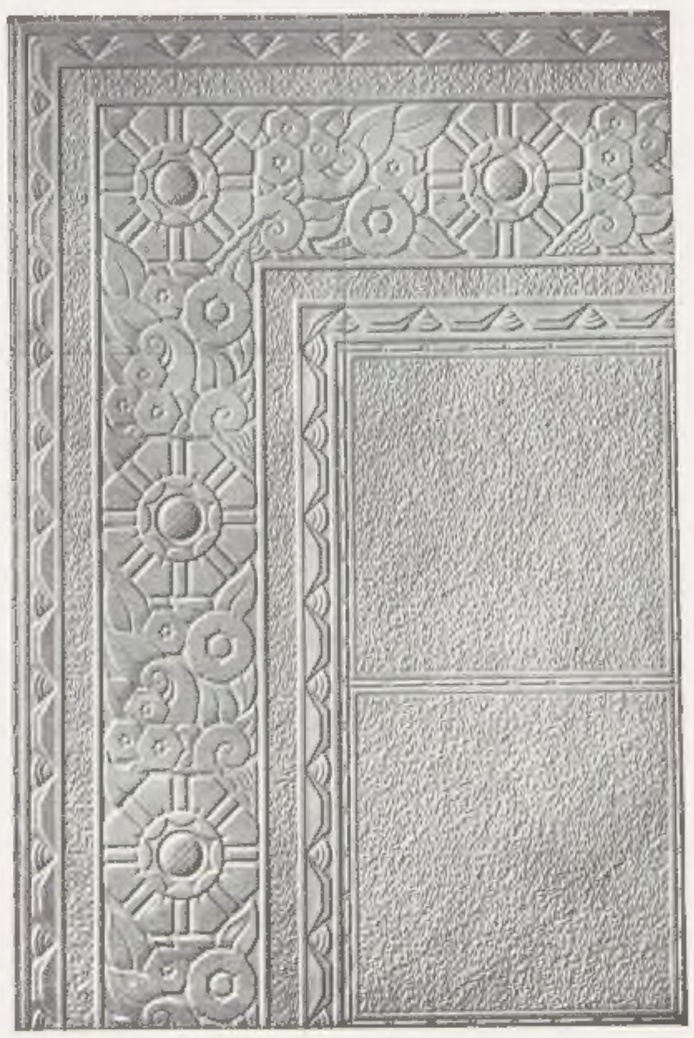
No. 1578—Filler Sheeting, 6ft. x 2ft.

All three designs are available in Steel. Nos. 1718 and 1719 also made in Galvanised Steel. These designs are recommended for Domestic Interior Ceilings. Lower illustrations represent portions of complete Ceilings, 6ft. x 4ft.



Moulded design comprising Suite No. 1775 Border Panelling (6ft. x 2ft., 4ft. x 2ft. and 2ft. x 2ft.)
No. 1774 Corner Panel (2ft. x 2ft.), No. 1578 Filler Panelling (6ft. x 2ft.)—see below.

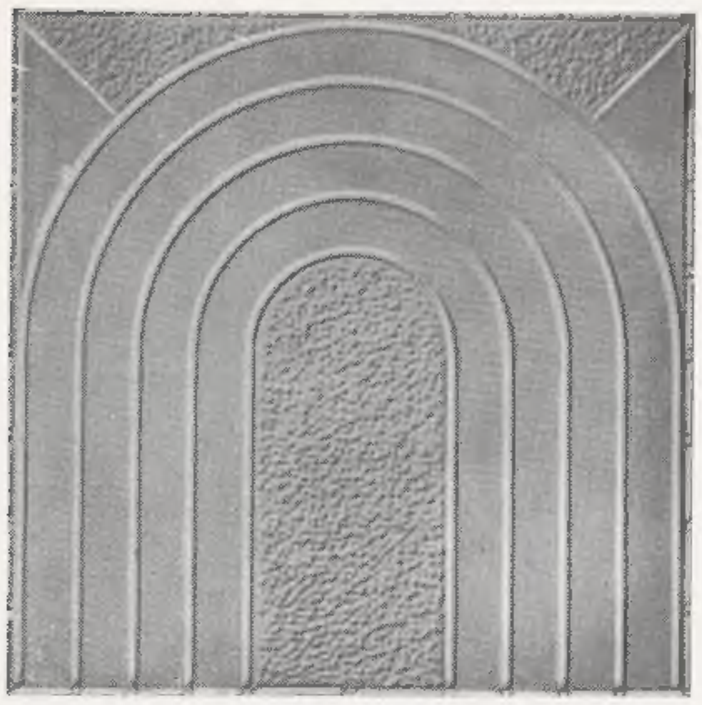
No. 1623—Corner Panel, 2ft. x 2ft.
No. 1624—Border Panelling, 6ft. x 2ft., 4ft. x 2ft., and 2ft. x 2ft.
No. 1578—Filler Sheeting, 6ft. x 2ft.
(For illustration of this Suite as a complete Ceiling, see Page 5.)



No. 1774—Corner Panel, 2ft. x 2ft.
No. 1775—Border Panelling, 6ft. x 2ft., 4ft. x 2ft., and 2ft. x 2ft.
No. 1578—Filler Sheeting, 6ft. x 2ft.

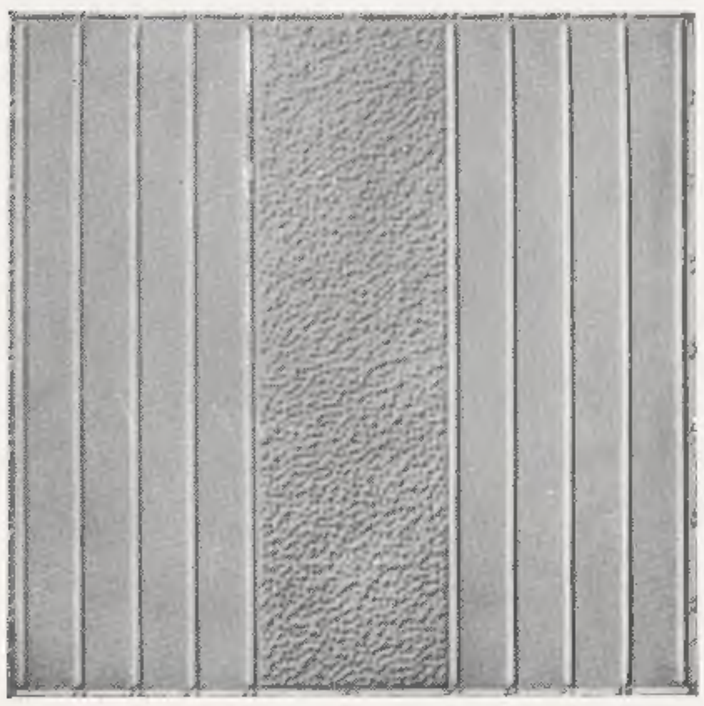
Both designs are available in Steel and Galvanised Steel. These designs are recommended for Domestic Interior Ceilings. Lower illustrations represent portions of complete Ceilings, 6ft. x 4ft.

Panellings Nos. 1807 and 1808 applied as an Interior Ceiling. This Suite can also be effectively used for Awning Ceiling purposes.
No. 1812 is an alternative to No. 1808 or may be used also as a complete Ceiling.



No. 1808* ⟶

No. 1812* ⟶

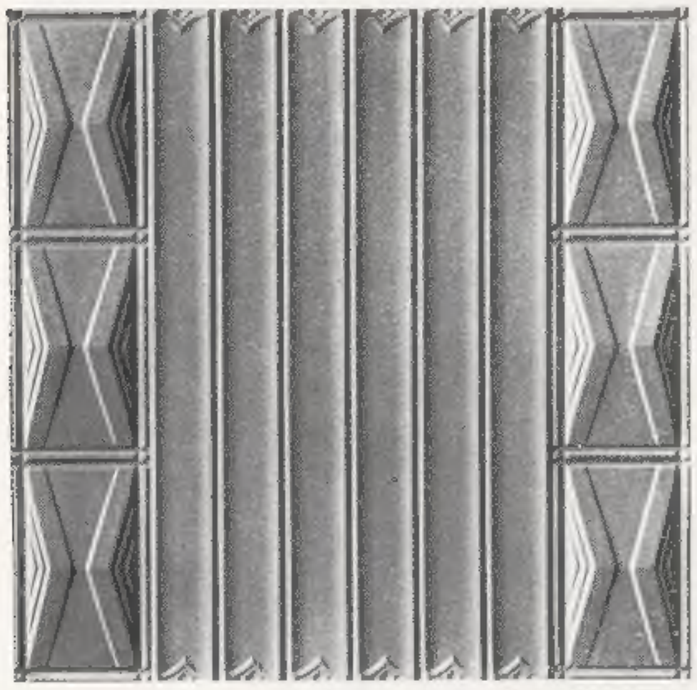


No. * 1807 ⟶

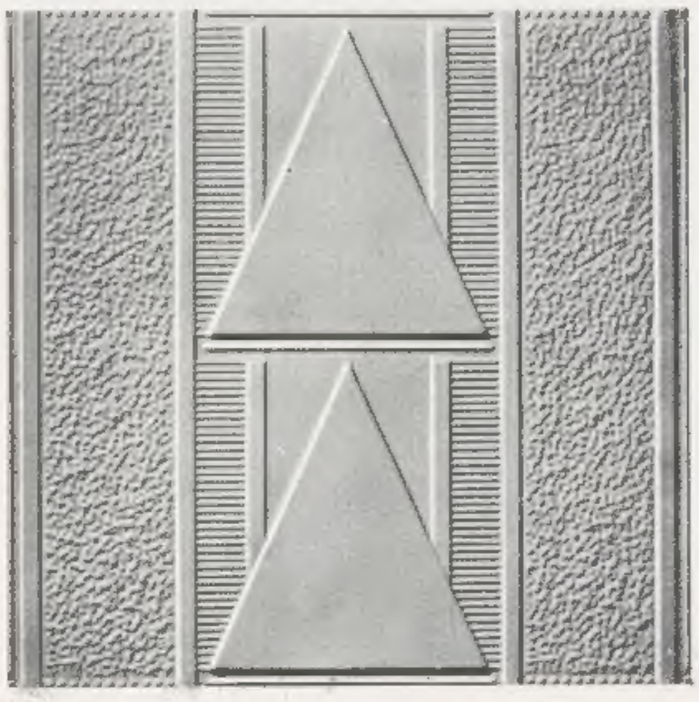
No. 1809 ⟶

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
Nos. 1807, 1808 and 1812 are available also in Galvanised in Sheets 4ft. x 2ft.
Nos. 1807 and 1809 are both suitable for use as Wall Linings.

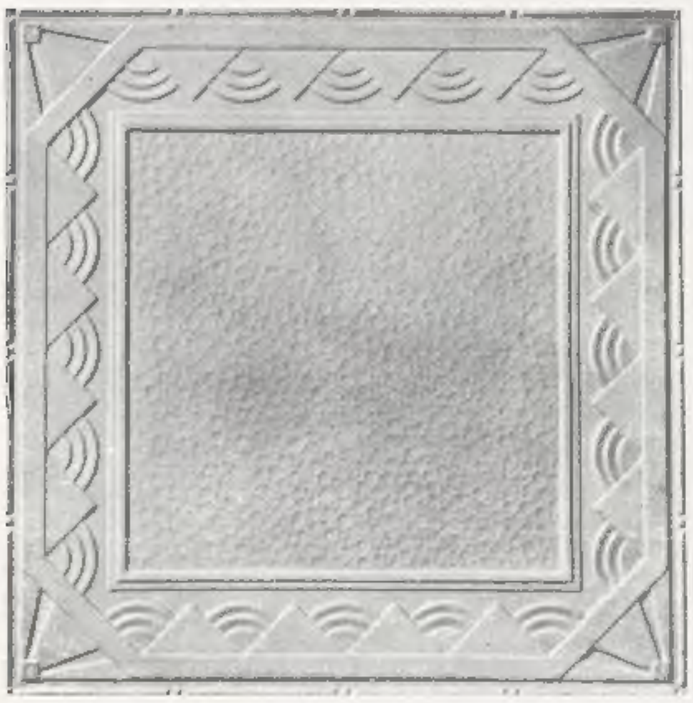
Panelling No. 1778 applied as an Awning Ceiling. The four patterns illustrated below are all recommended for use as Awning Ceilings.



No. 1684* ⟶



No. 1800* ⟶

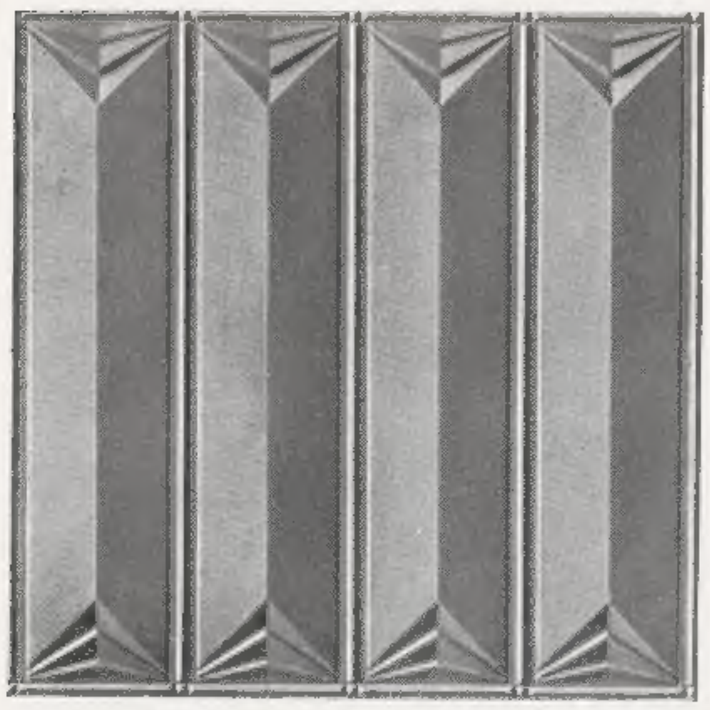


No. 1767*

No. 1778* ⟶

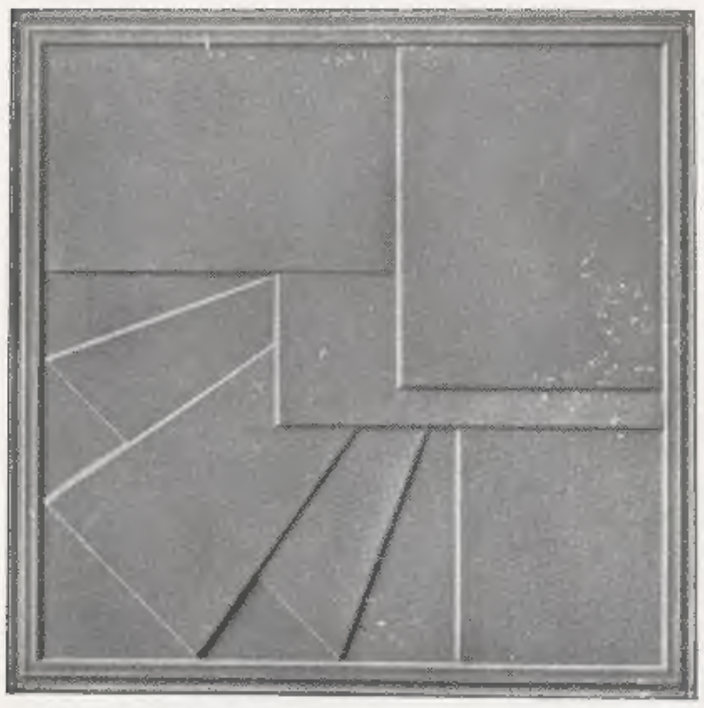
Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
No. 1684 available also in Steel 4ft. x 2ft. Nos. 1684, 1778, 1800 in Galvanised 4ft. x 2ft.

Panelling No. 1768, also other patterns illustrated below, are all recommended as Ceilings to Awnings.

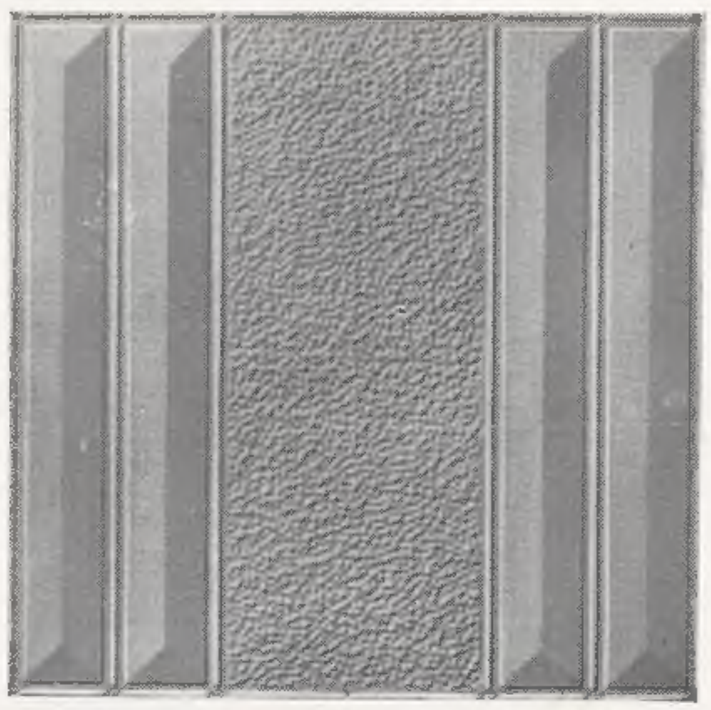


No. 1683*—Registered Design No. 11325.

No. 1768* ⟶

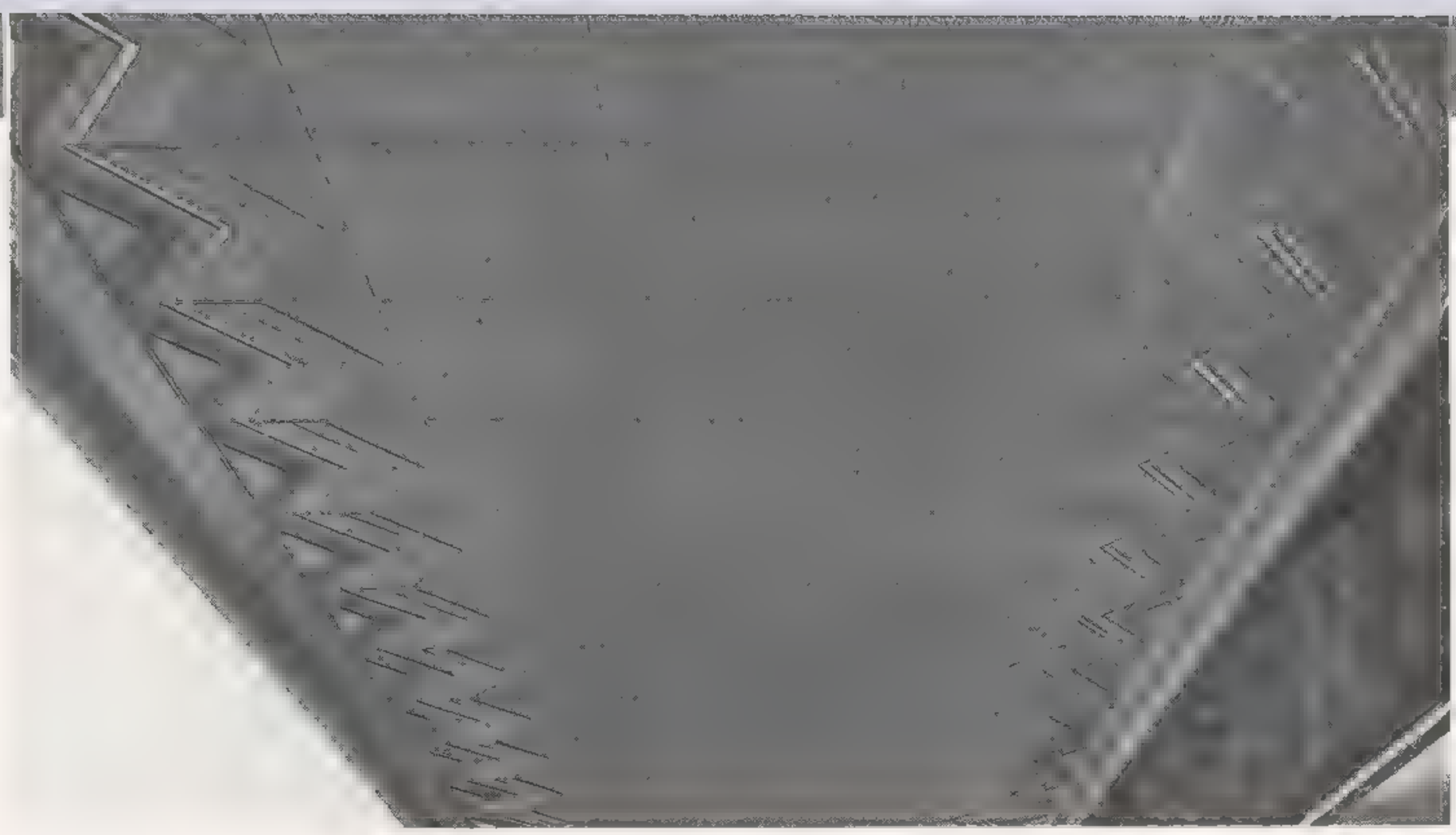


No. 1681*—Registered Design No. 11326.



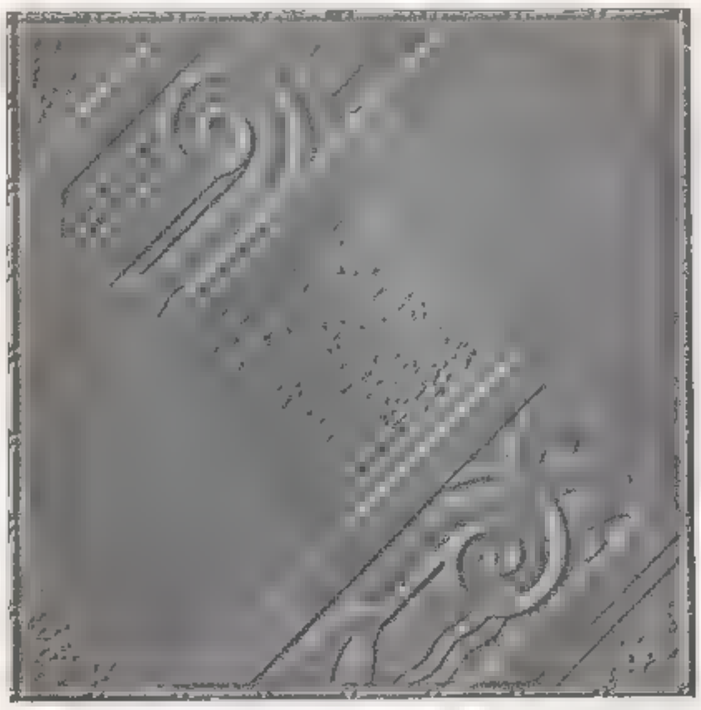
No. 1811* ⟶

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
NOTE: No. 1681 is available also in Steel 4ft. x 2ft. and 2ft. x 2ft., and Nos. 1683, 1768 and 1811 in Galvanised Steel 4ft. x 2ft.

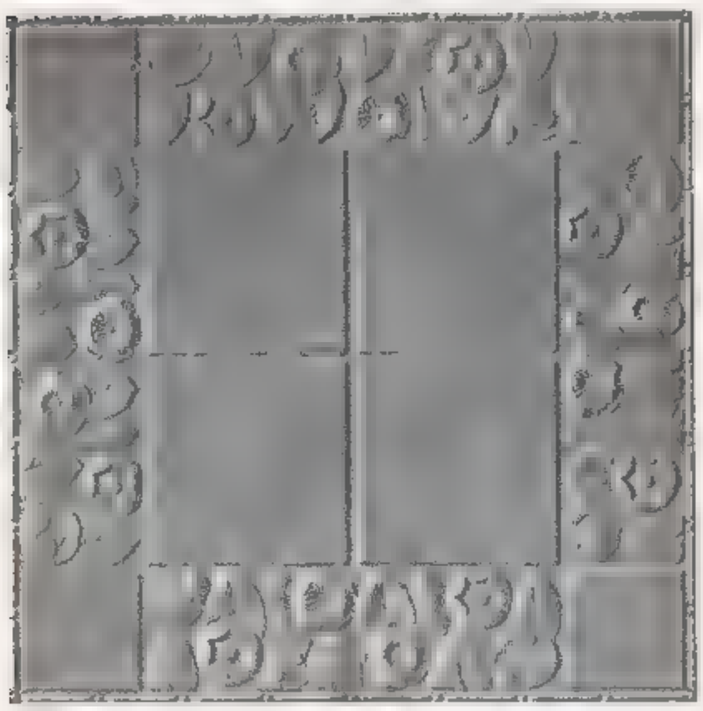


Panelling No. 1802 applied as a Surround to No. 1578 on an Awning Ceiling. The four patterns illustrated below are suitable for Ceiling Interiors of major dimensions.

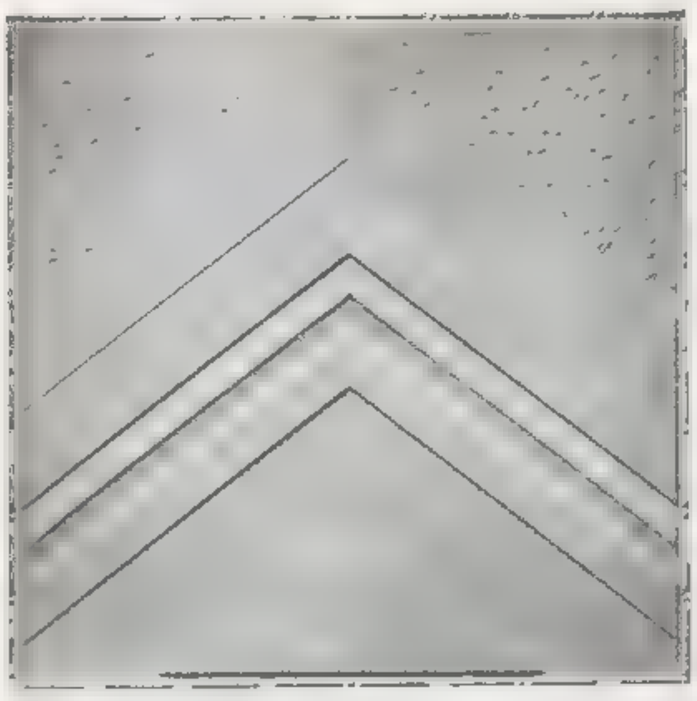
No. 1696 →



No. 1787 ↑

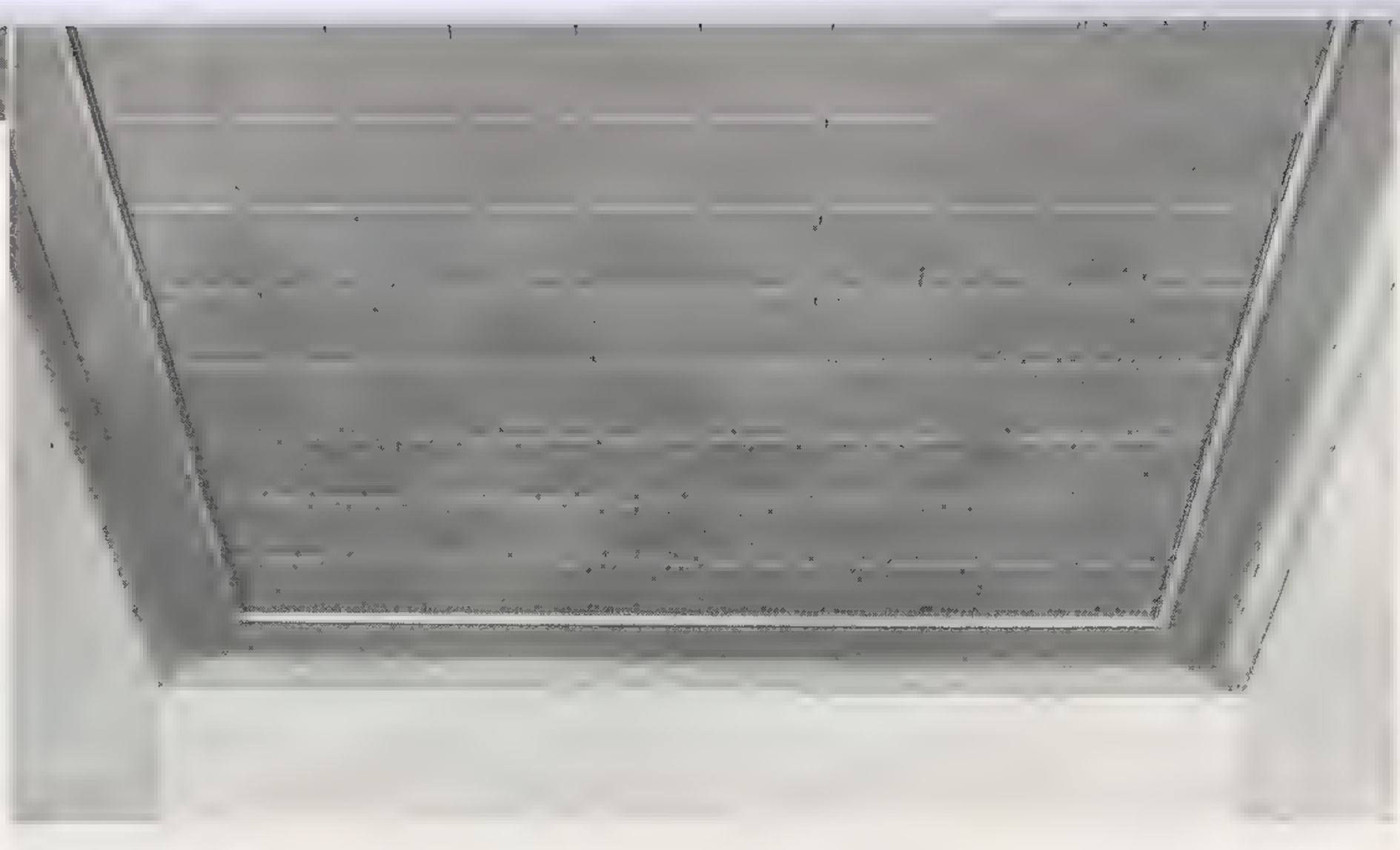


No. 1785

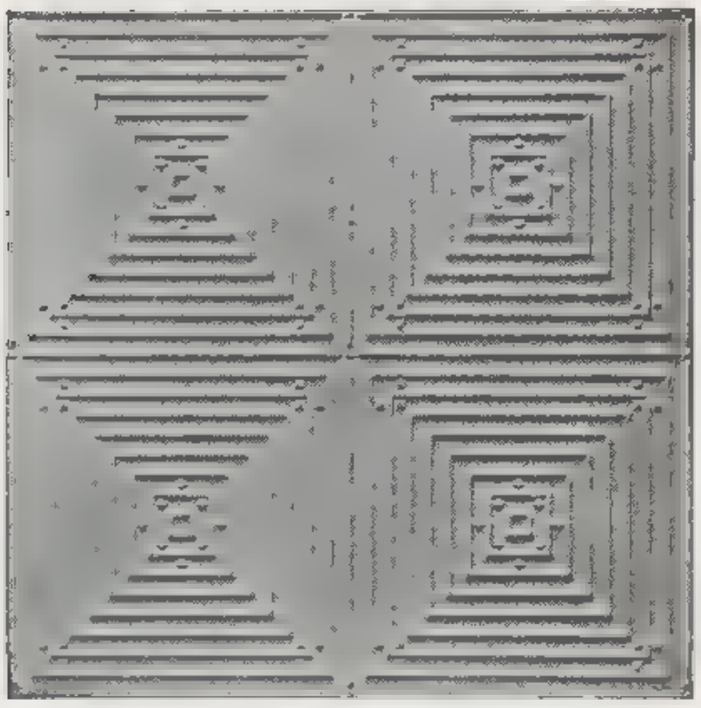


No. 1802* ⟶

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
NOTE: No. 1696 is available also in Steel in sizes of 4ft. x 2ft. and 2ft. x 2ft.

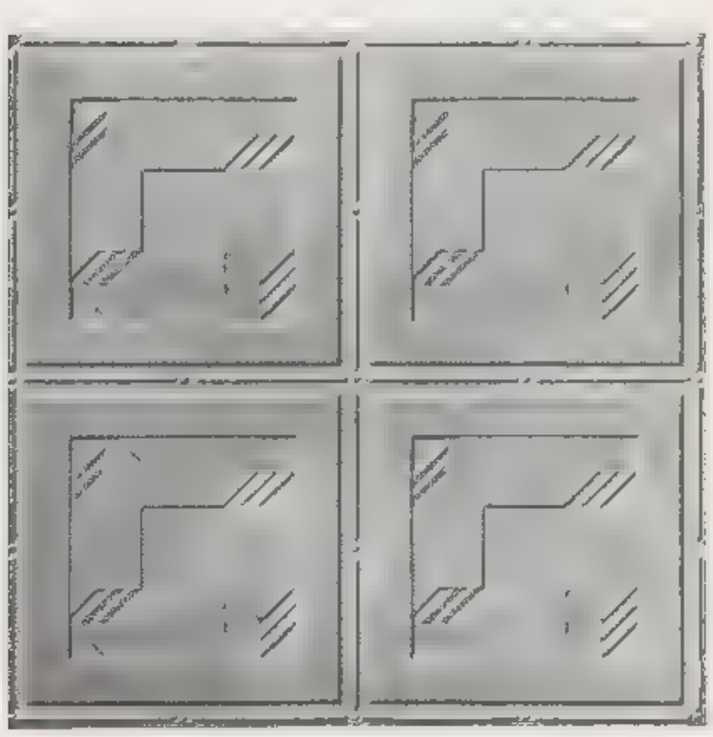


Panelling No. 1805 illustrated above, also Damask Design No. 1589 can be used with effect on Awning Ceilings.

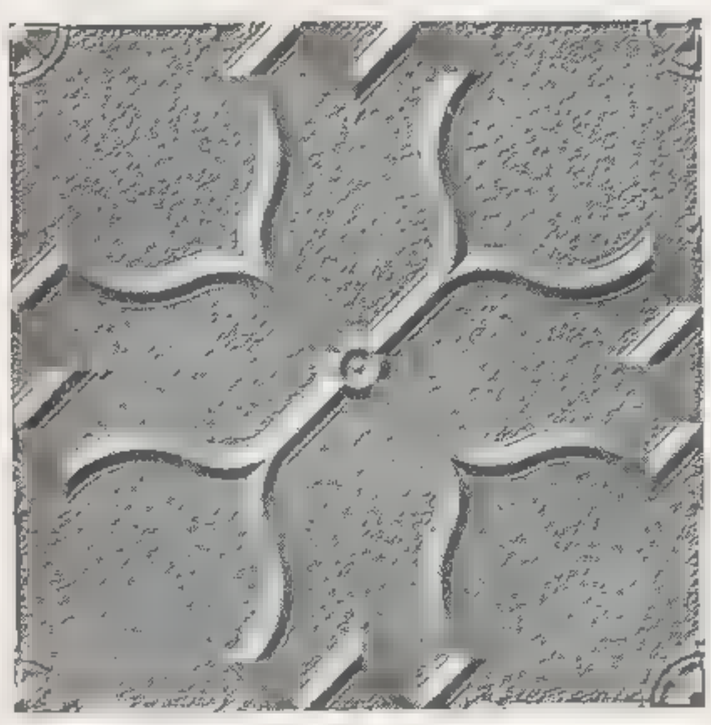


No. 1589*

No. 1805*

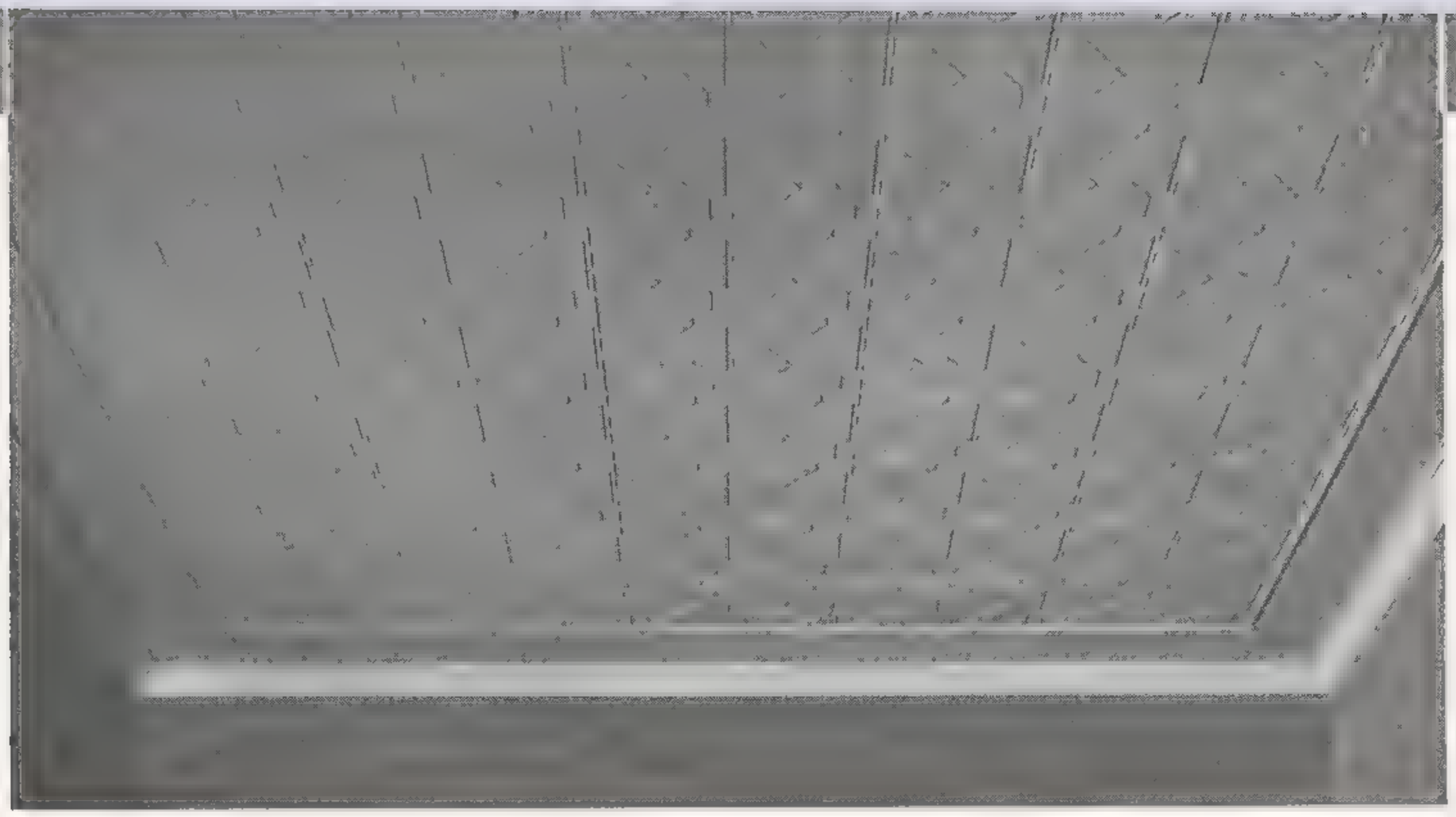


No. 1777*



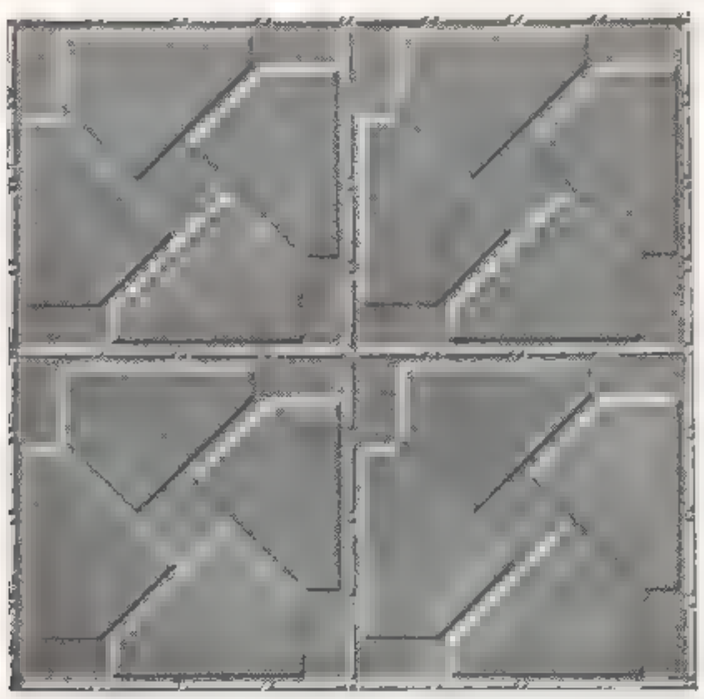
No. 1381

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel.



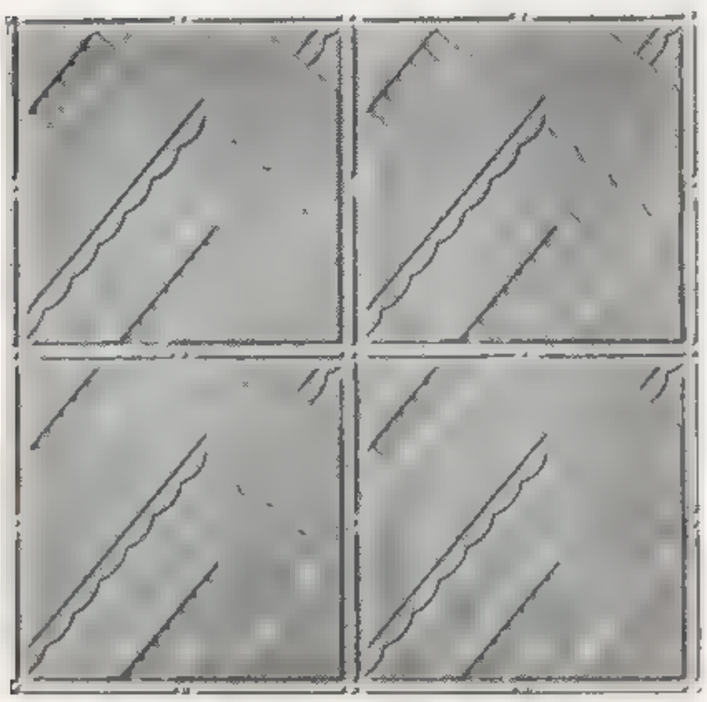
Panelling No. 1764 used as an Interior Ceiling. Nos. 1702, 1705 and 1764 are all suitable for Ceiling small areas.

NOTE: Refer to Pages 20-21 for Cornices appropriate for use with these patterns.

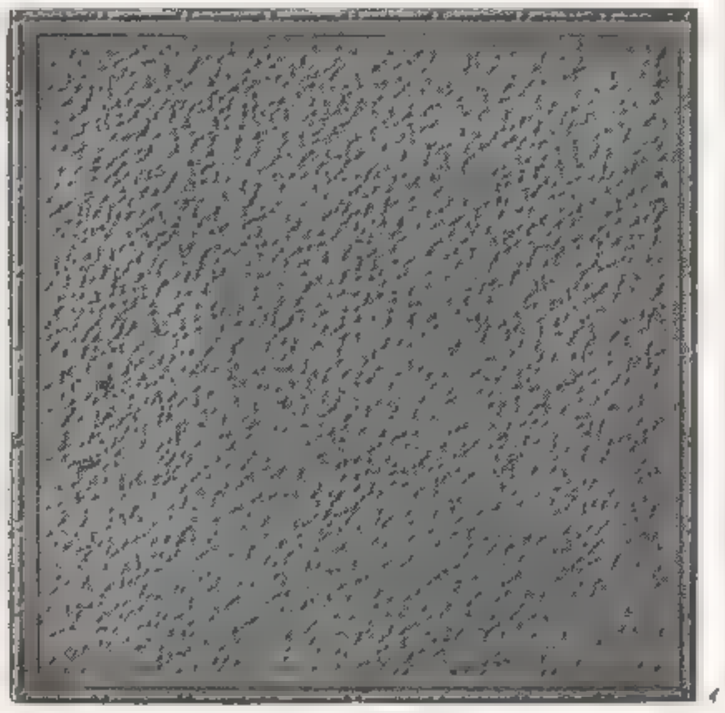


No. 1764

No. 1705*

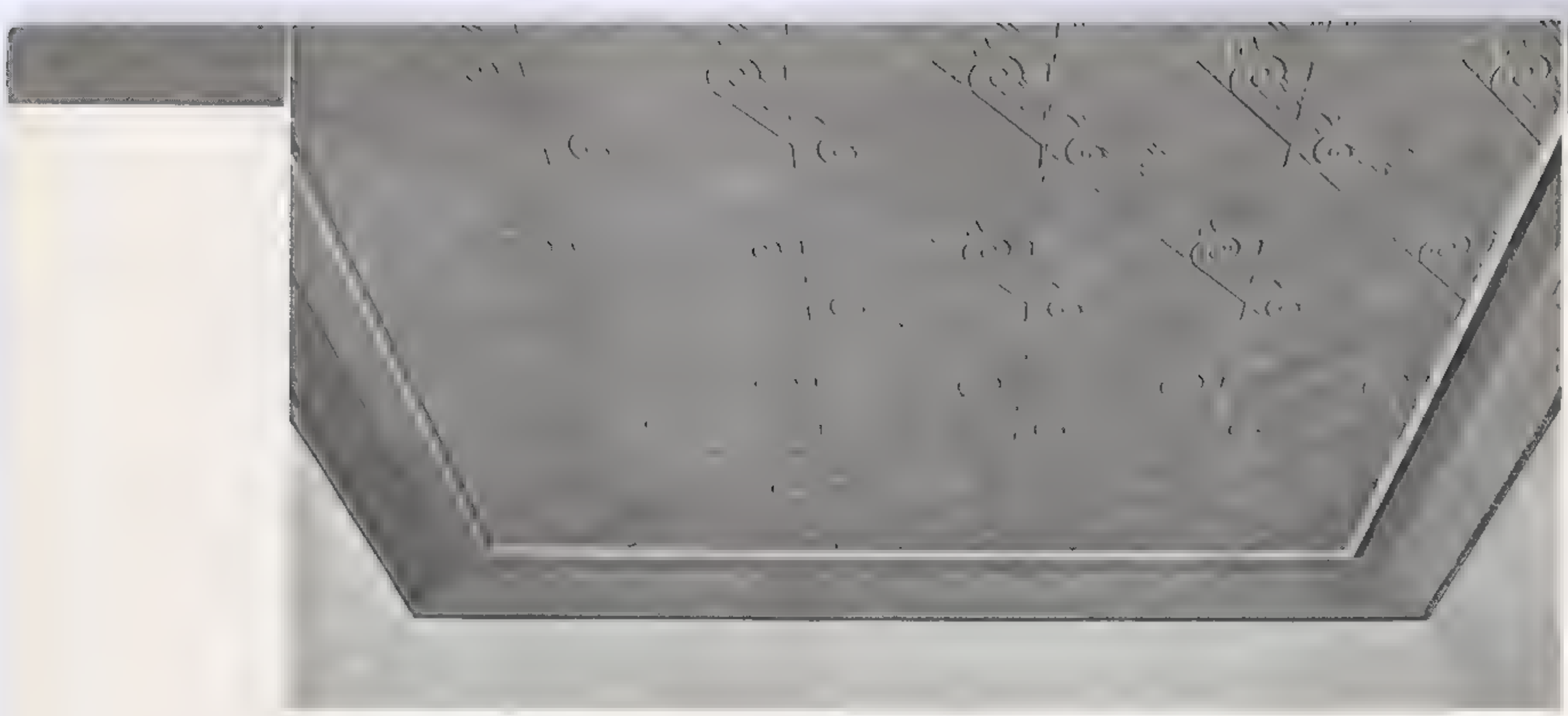


No. 1702* ⟶



No. 1578*

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
No. 1702 is available also in Steel 4ft. x 2ft. and 2ft. x 2ft. and in Galvanised 4ft. x 2ft.



Panelling No. 1787 is a suitable design for ceiling large areas. See also illustration on Page 11.

Wunderlich Ceilings can be applied to old rooms without disturbing existing faulty ceilings.

Panelling No. 1785 is designed for use as an Interior Ceiling to residences. See also illustration on Page 11.

NOTE: Refer to Pages 20 and 21 for Cornices appropriate for use with these Patterns.

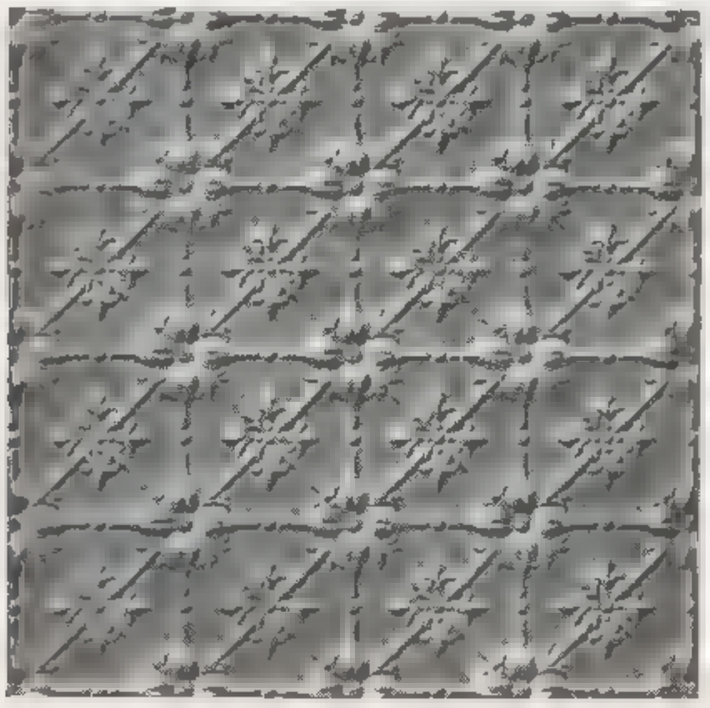
Panelling No. 1800 used as an Interior Ceiling. This pattern also affords a very effective Ceiling treatment to Awnings. See illustration on page 9.

Wunderlich Ceilings remain flawless and attractive, never flaking or discolouring. They enhance the appearance of display windows.

Panelling No. 1811 is designed for use as an Awning Ceiling. See also illustration on Page 10.

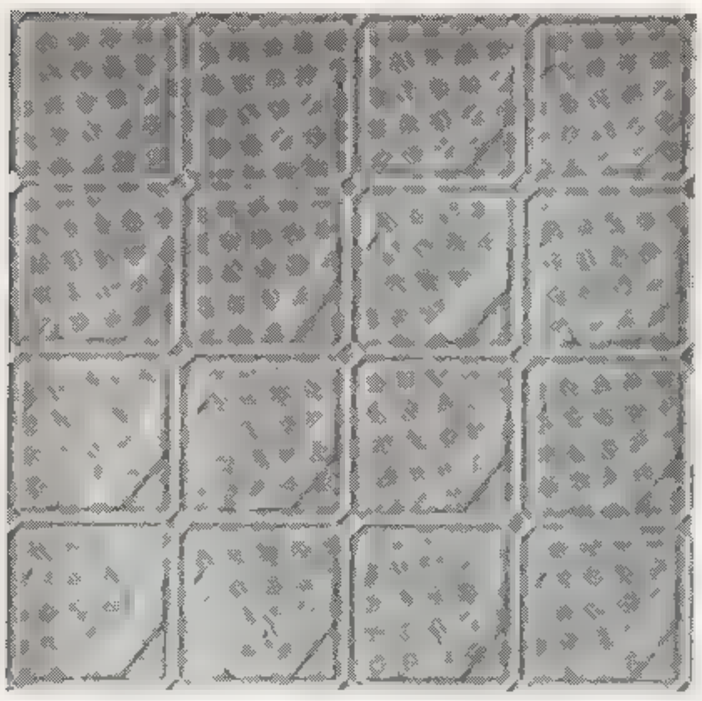
NOTE: Refer to Pages 20 and 21 for Cornices appropriate for use with these patterns.

DIAPERS

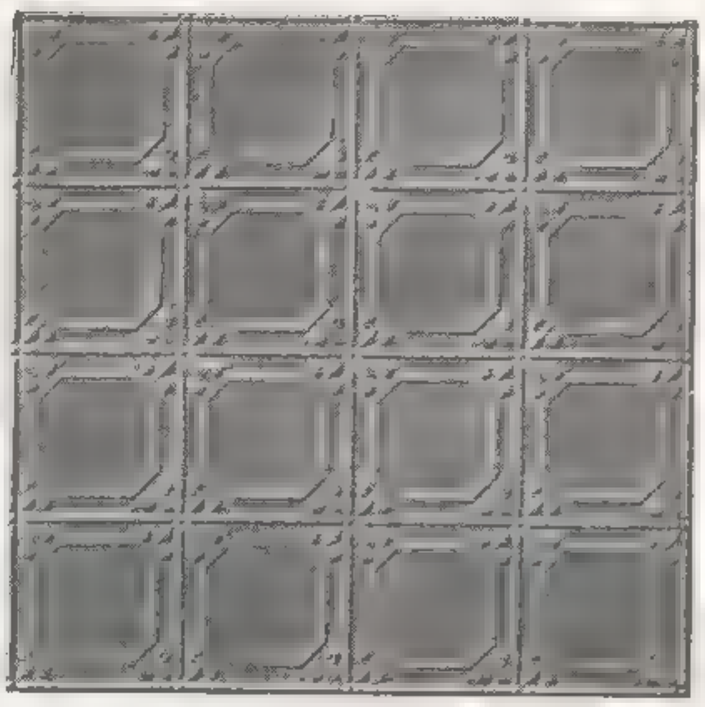


No. 171*

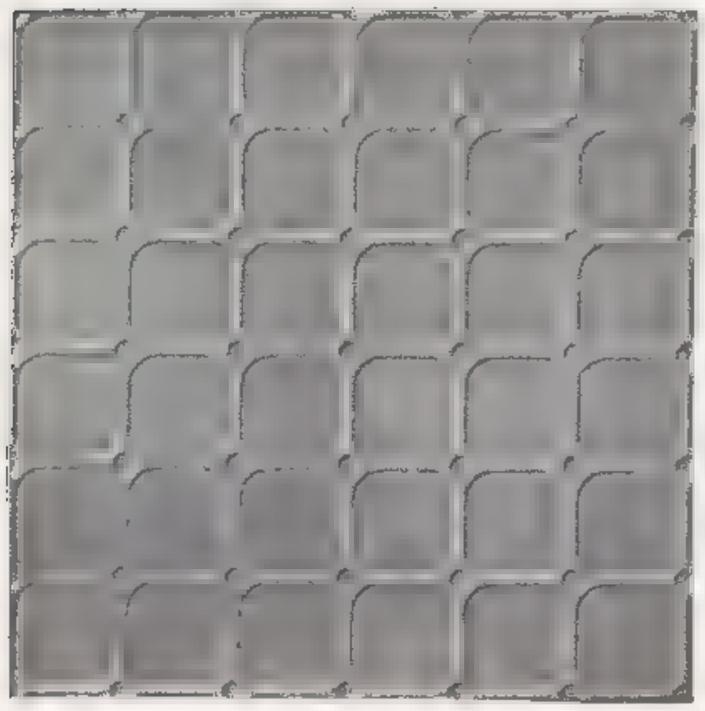
No. 1629



No. 1700*



No. 1588*

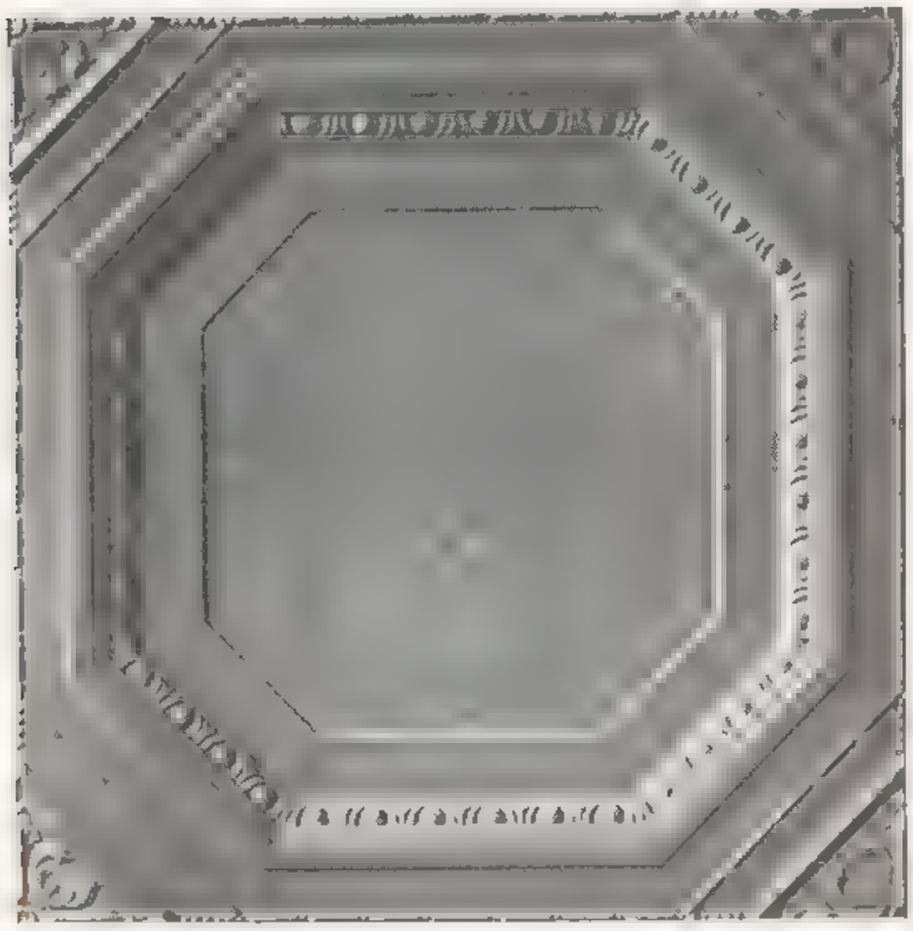


No. 1567*

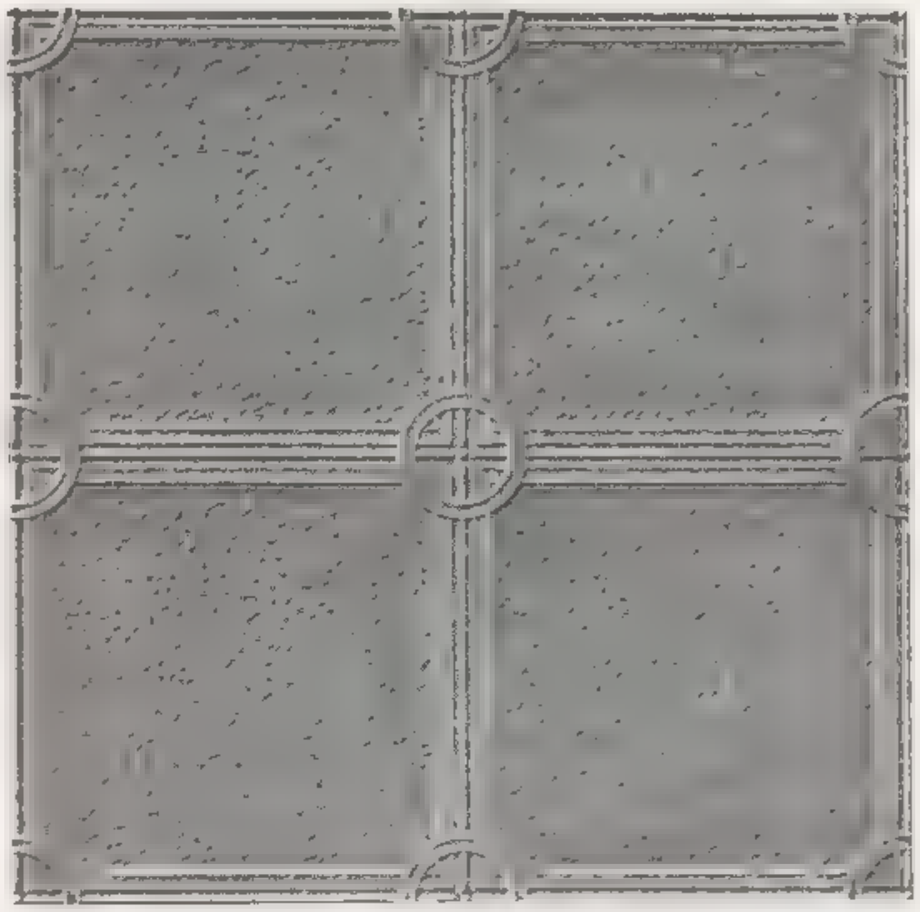
No. 1794*

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked also in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet.
No. 1700 is available also in Steel, 4ft. x 2ft. and 2ft. x 2ft., and in Galvanised Steel, 4ft. x 2ft.

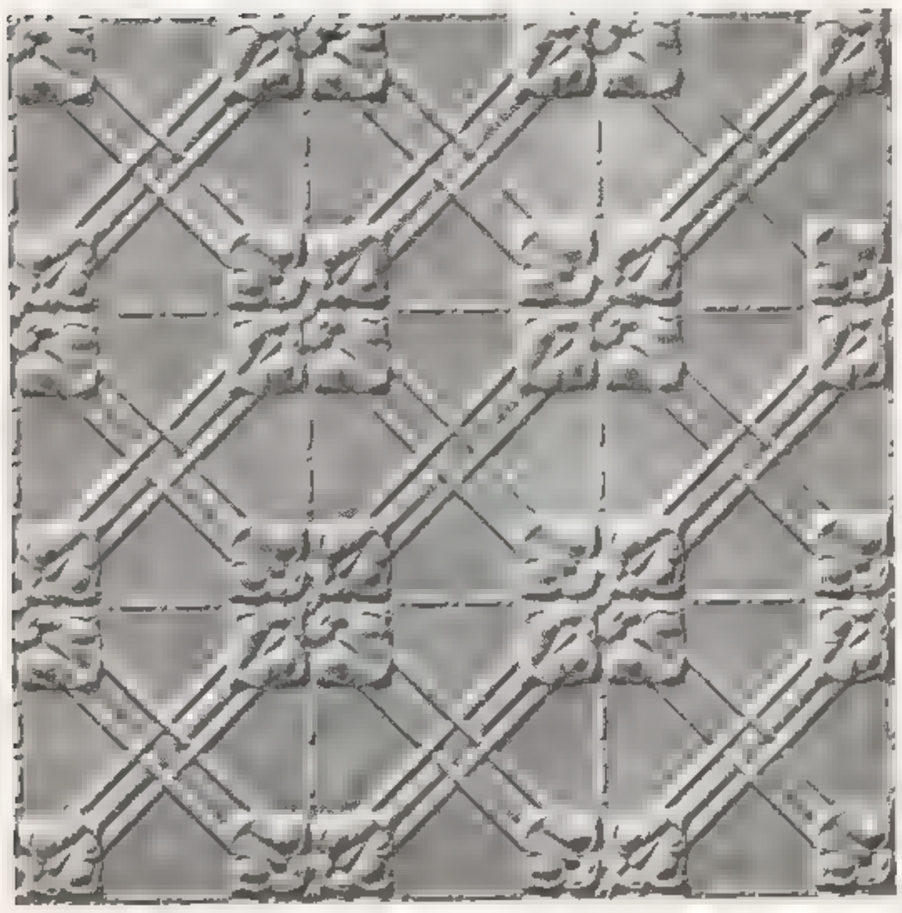
PANELLINGS



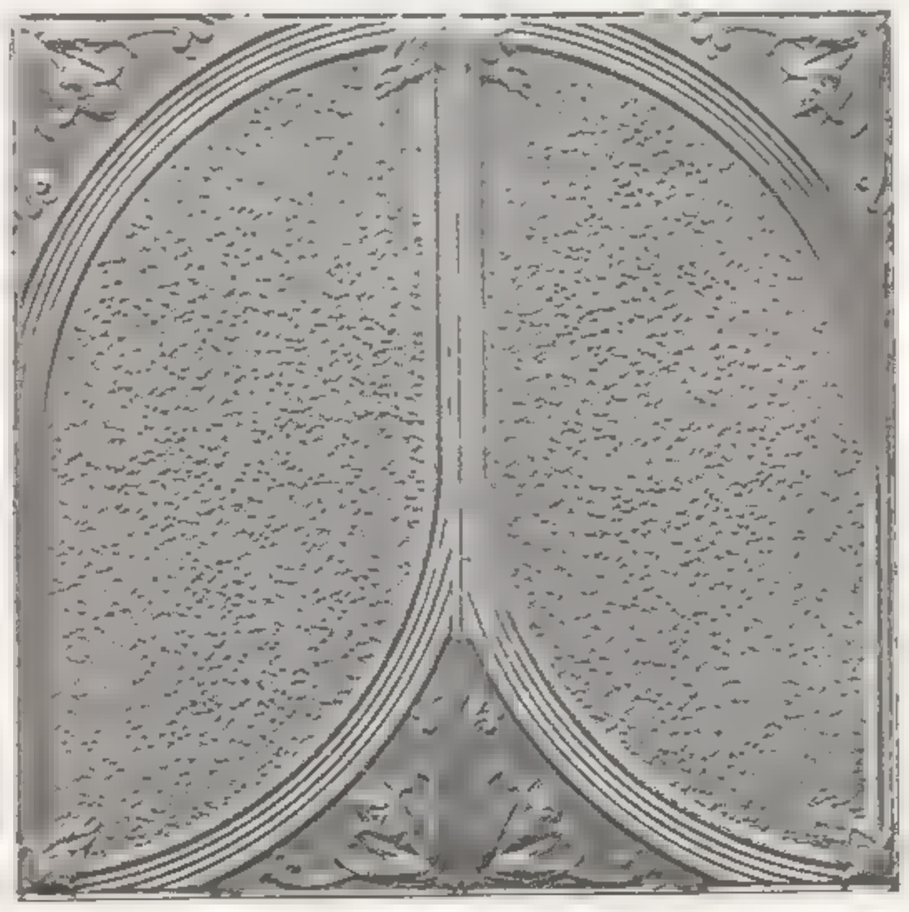
No. 1640*
Supplied in Panels 3ft. x 3ft.



No. 1485*
Supplied in Sheets 6ft. x 3ft.



No. 1393
Supplied in Sheets 6ft. x 3ft.

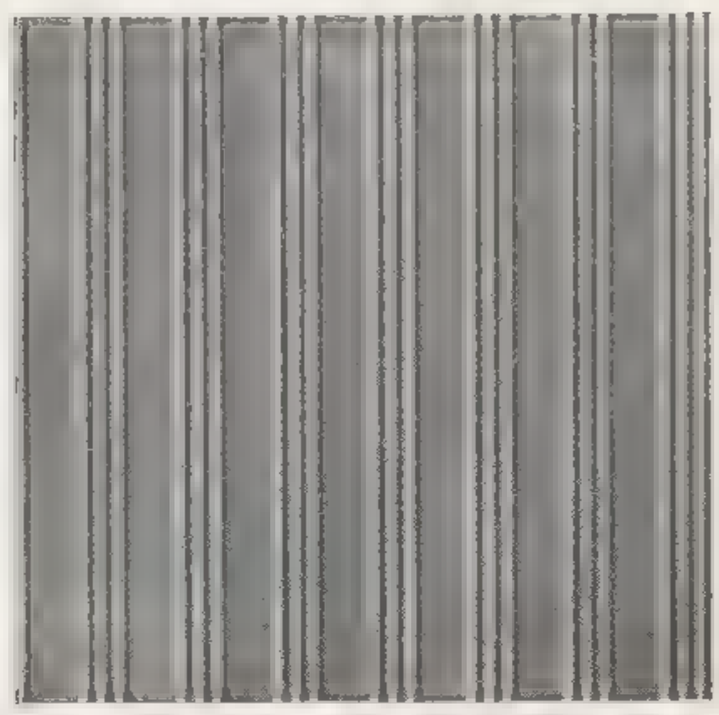


No. 1474*
Supplied in Panels 3ft. x 3ft.

Illustrations represent 3ft. x 3ft. *Stocked also in Galvanised Steel.
The above patterns are suitable for ceiling large areas.

WALL LININGS

No. 173*



No. 463*

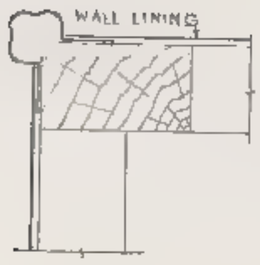
No. 1423

No. 1807*

Supplied in Sheets measuring 6ft. x 2ft. Illustrations represent 2ft. x 2ft.
*Stocked in Galvanised Steel. Arrows indicate direction of 6ft. length of Sheet

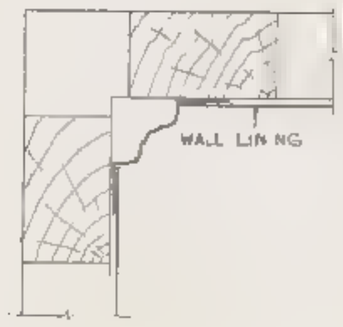
NOTE: See Page 33 for illustrations of Imitation Tile Pattern Sheets.
See Page 8 for illustration of Pattern No. 1809.

ANGLE MOULDINGS



No. 1368

Steel External Angle Strip, used with our Steel Wall Linings.
(Third actual size.)



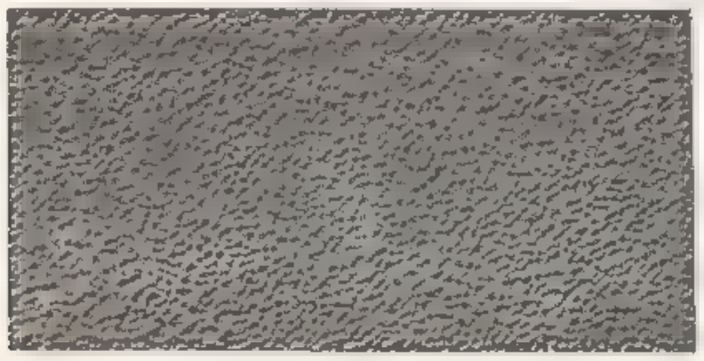
No. 1369

Steel Internal Angle Strip, used in conjunction with our Steel Wall Linings.
(Third actual size.)

Angle Strips Nos. 1368 and 1369 are supplied in 6ft. lengths in both Steel and Galvanised Steel.

Instructions for fixing Wall Linings utilising these Angle Mouldings are shown on Page 35.

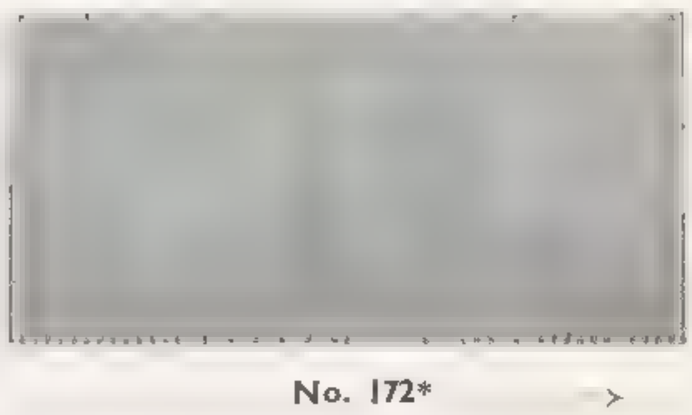
BORDERS



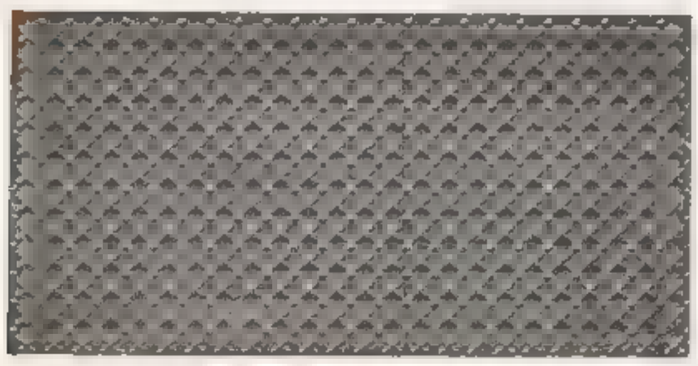
No. 1406*

No. 1616*

No. 1538*—Patent No. 6569



No. 172*



No. 1387

No. 464

The stock sizes of Borders Nos. 1538 and 1616 is 6ft. x 3ft. wide and 6ft. x 2ft wide, whilst that of the other designs is 6ft. x 2ft. wide. All may be obtained to order in narrower widths as required to make up any irregularities in the size of the room and to avoid cutting into embossed patterns. These Borders are unsuitable for ceiling large areas.

Design No. 1406 is supplied with a bead along one edge. The illustrations represent 2ft. x 1ft.

*Stocked also in Galvanised Steel.

COMBINATION BORDER AND MOULDING

No. 1508*—Stock widths 9in., 12in., 15in., 18in. and 24in.

NOTE: Use Boss No. 1509 over mitres.

No. 1680*—Stock widths, 9in., 12in., 15in., 18in. and 24in.

NOTE: Use Boss No. 201 over mitres.

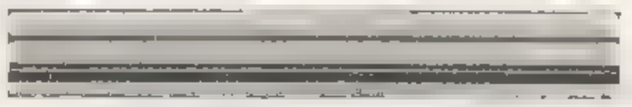
Combination Border and Moulding such as Nos. 1508 and 1680 are more economical in use than separate units of Border and Moulding.

All Patterns illustrated above are supplied in 6ft. lengths.

*Stocked also in Galvanised Steel.

MOULDINGS

No. 201—2¾in. Girth *



No. 205—3⅛in. Girth.*

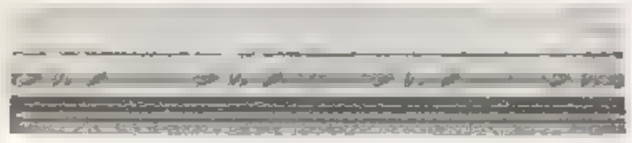
No. 1468—2in. Girth.*

No. 1594—4¼in. Girth.

No. 204—4in. Girth.*

No. 517—4in. Girth.

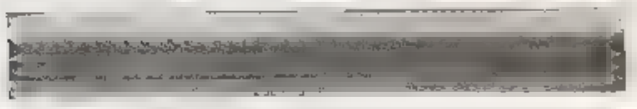
No. 1146—3¼in. Girth.*



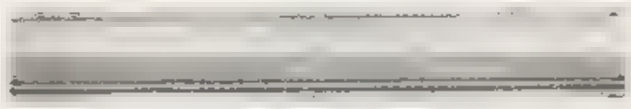
No. 1710—4in. Girth.*

No. 1493—2¼in. Girth.*

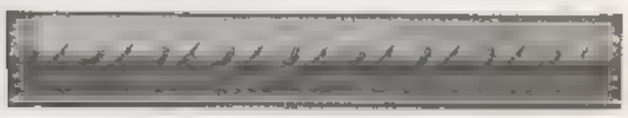
No. 1783—3in. Girth.*



No. 206—4in. Girth.*



No. 1784—4in. Girth.*



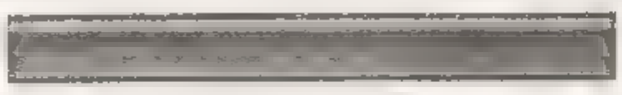
No. 499—4in. Girth.*

No. 654—5in. Girth.*

No. 959—4in. Girth.*

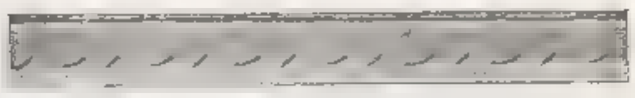
Supplied in lengths of 6ft. Corner or Octagonal Bosses are used for the mitres of these Mouldings. *Stocked also in Galvanised Steel

ENRICHED STEEL CORNICES

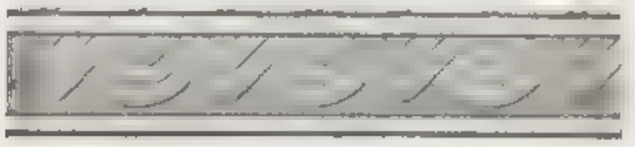


No. 878—3in. Girth.*

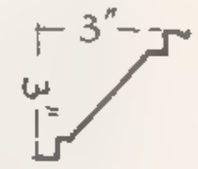
No. 933—3in. Girth.*



No. 1749—3in. Girth.*

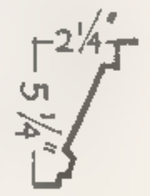


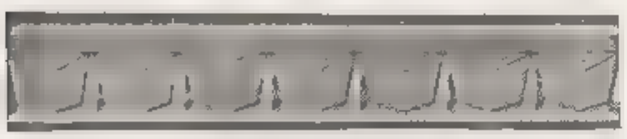
No. 1751—5¾in. Girth.*



No. 1786—3in. Girth.*

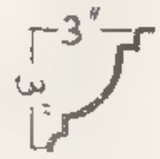
No. 1685—6½in. Girth.*





No. 1708—5in. Girth.*

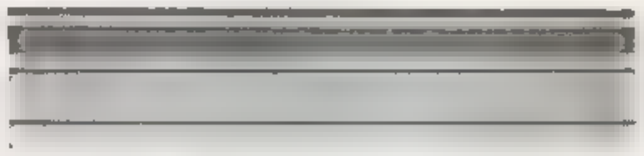
No. 1076—5in. Girth.*



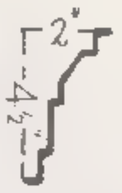
Cornices are supplied in 6ft. lengths Mitre leaves are used for covering the mitre joints. *Stocked also in Galvanised Steel.

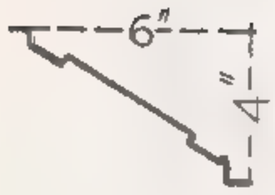
ENRICHED STEEL CORNICES

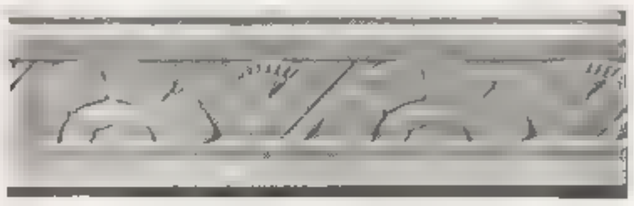
No. 1755—5in. Girth.*



No. 1756—6in. Girth.*







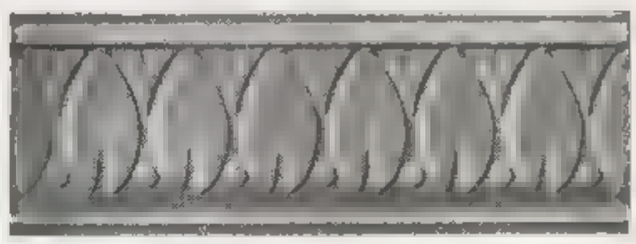
No. 1701—8in. Girth.*

No. 1748—9in. Girth.

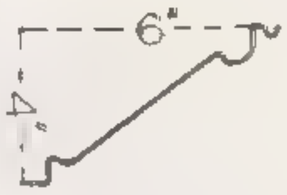
No. 1757—7½in. Girth.*

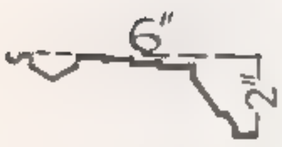
No. 1750—8¾in. Girth.*

No. 1563—8½in. Girth.*



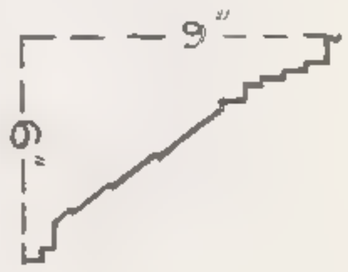
No. 1625—8⅝in Girth.*

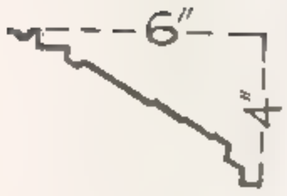




No. 1779—8in. Girth.*

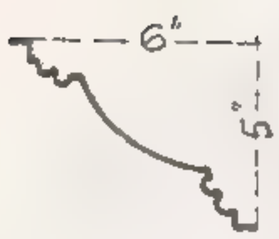
No. 1781—14in. Girth.



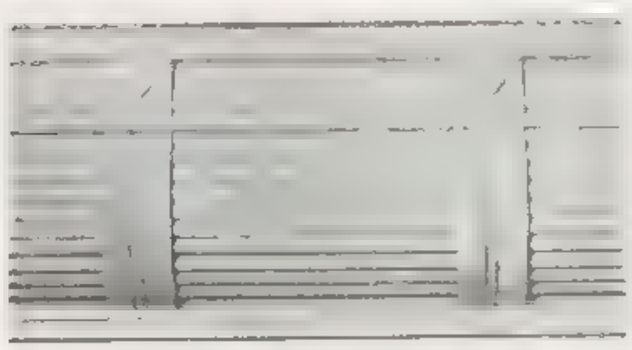


No. 1780—9in. Girth.*

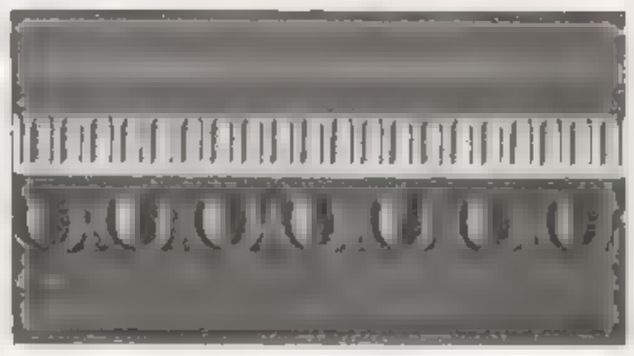
No. 1454—11½in. Girth.



No. 1111—9in. Girth.



No. 1817—13½in. Girth.



No. 1391—16½in. Girth.

Cornices are supplied in 6ft. lengths. Mitre leaves are used for covering the mitre joints.

*Stocked also in Galvanised Steel.

SOFFITS

The illustrations below are of stock patterns of beam Soffits. These Soffits are supplied with loose stiles, thus enabling them to be employed as a treatment to beams varying in width from 6ins. to 18ins. Border Fillings are used for the fascia (or sides) of the beams. (See Page 19.) Of these, **No. 1406** is the most suitable. **No. 1406**, together with Stile **No. 1507** or the Stile of **No. 1346** (known as **No. 1334**), can also be used as complete treatments for beam soffits of practically any width.

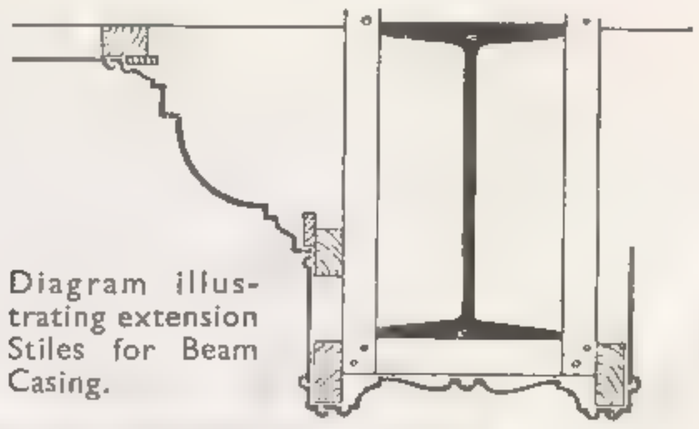
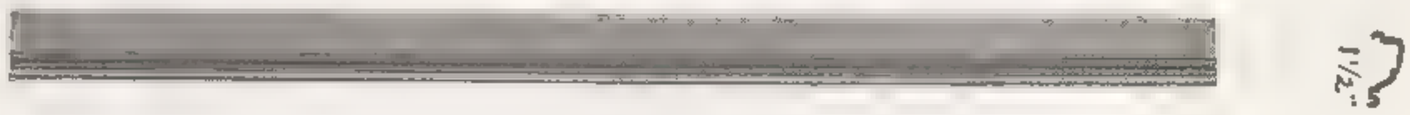
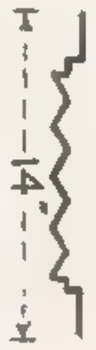


Diagram illustrating extension Stiles for Beam Casing.

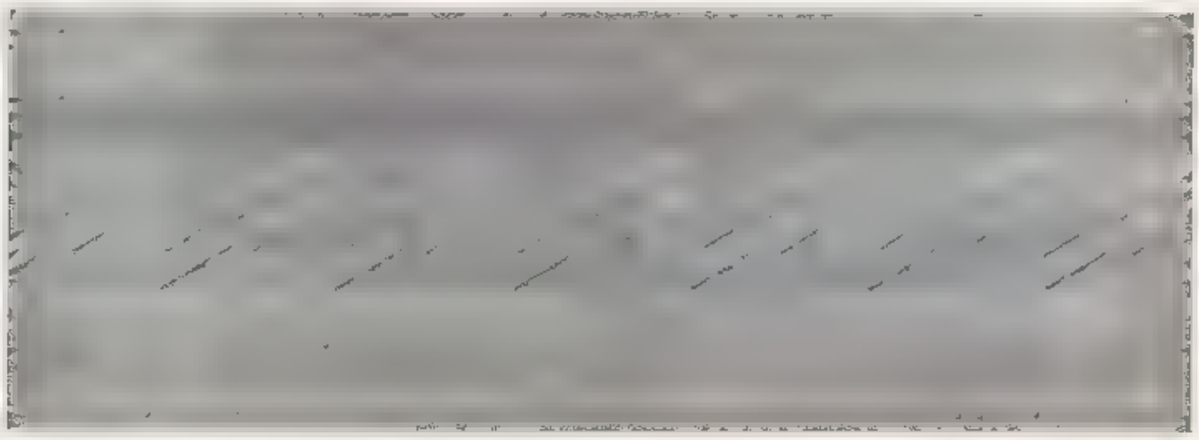
No. 1507
Soffit Stile.



No. 1753
14in. to 18in. wide.
(Made to order only.)



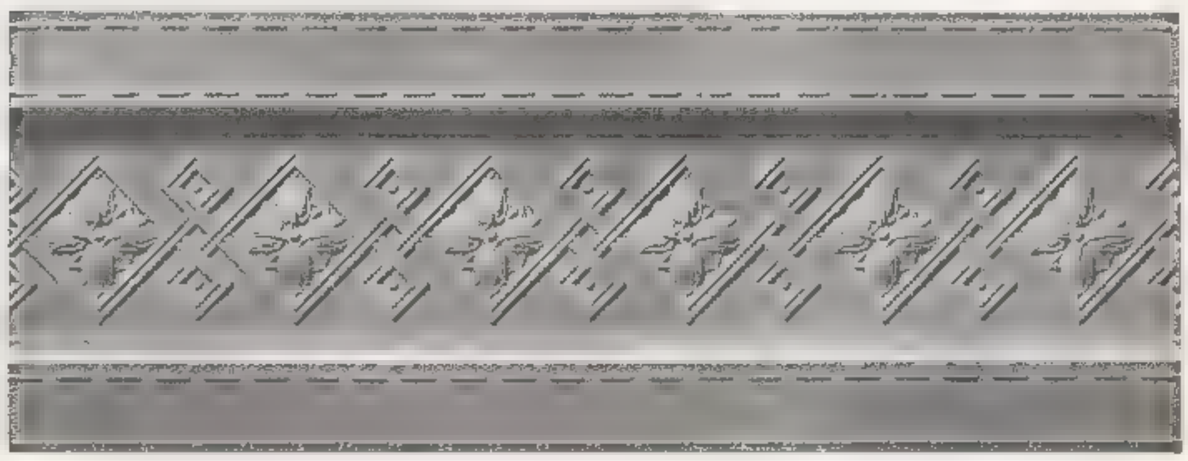
No. 1771
10in. to 13in. wide.



No. 1770
13in. to 18in. wide.

No. 1346
14in. to 18in. wide.

Also **No. 1347**
(same design),
10in. to 14in. wide.

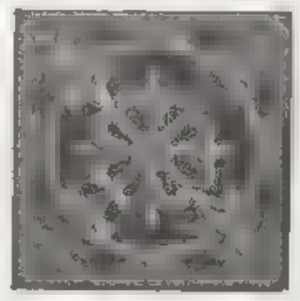


The above Soffits are supplied in 6ft. lengths with loose Angle Stiles.

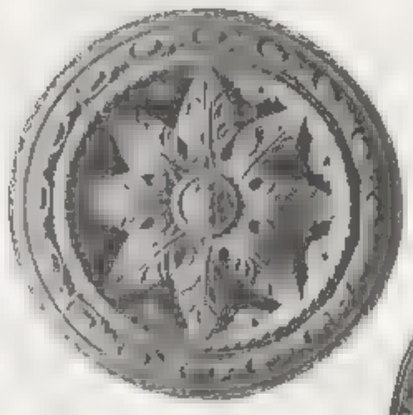
CENTREFLOWERS

No. 1463
15½in. Dia. Zinc.

No. 50
12¾in Dia. Steel.



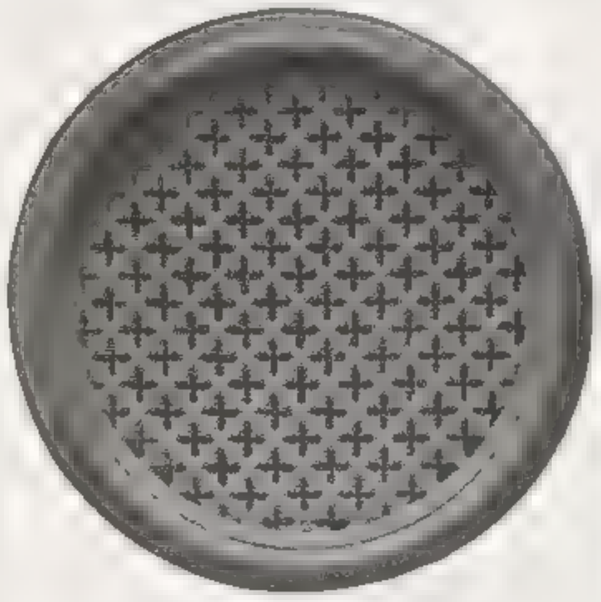
No. 60
11¼in. x 11¼in. Zinc.



No. 52
14in. Dia. Zinc.

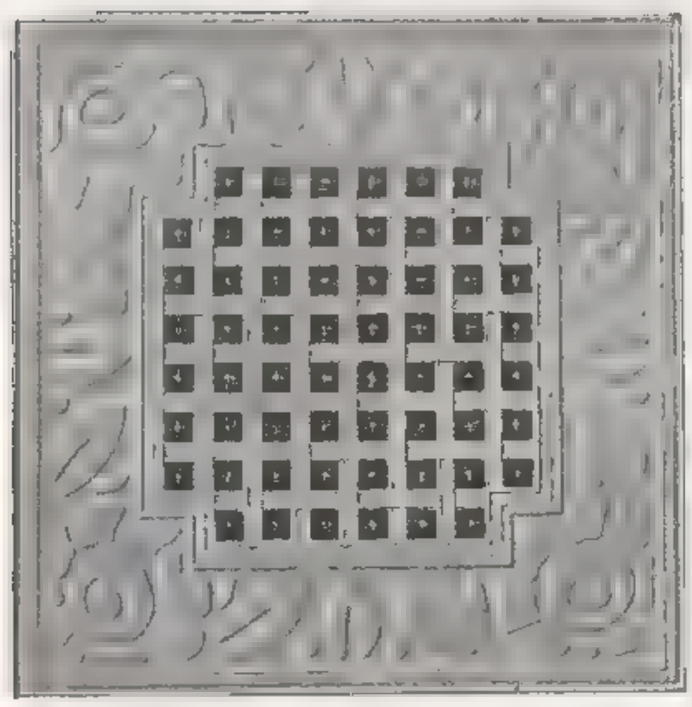
No. 55
18in. Dia. Steel.

No. 82—23in. Dia. Steel.



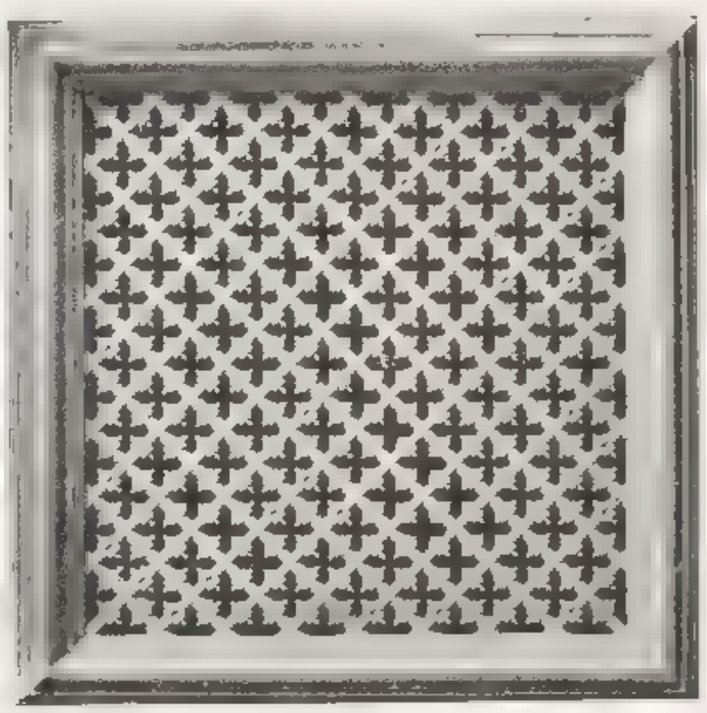
No. 89
12in. Diam.—Steel. 27in. Diam.—Zinc.
18in. Diam.—Steel. 30in. Diam.—Zinc.
24in. Diam.—Steel. 33in. Diam.—Zinc.
36in. Diam.—Galv. Steel.

No. 1570—24in. Dia. Zinc.



No. 1626—2ft. x 2ft. Steel.

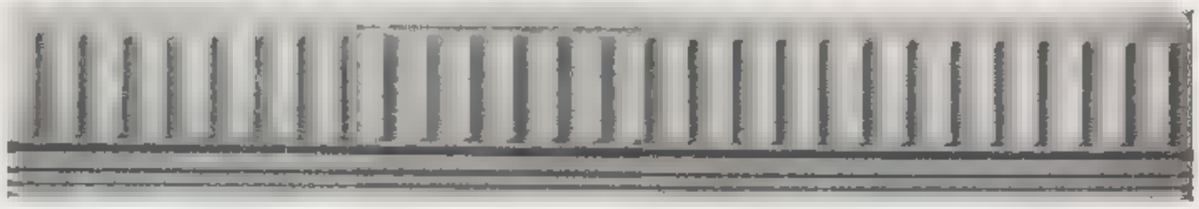
No. 1084—18in. x 18in. Zinc.



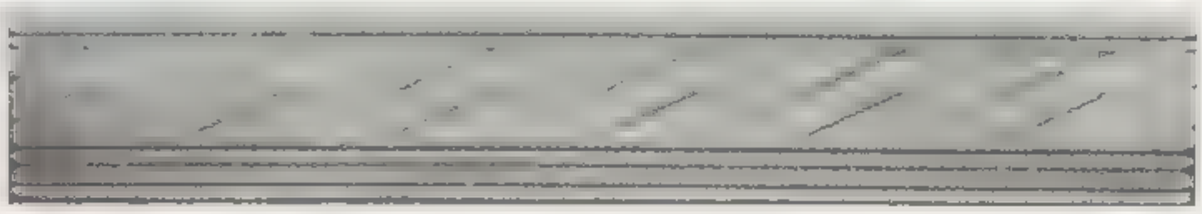
No. 88—Steel.
Stock Sizes—12in. x 12in., 18in. x 18in.,
24in. x 24in.

GALVANISED AWNING FASCIAS

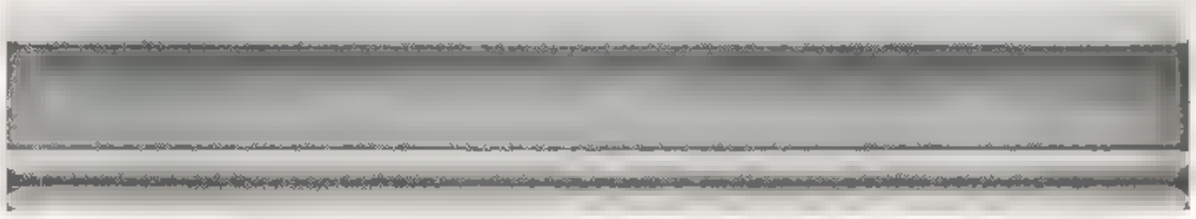
No. 1776—Cornice and Cover.



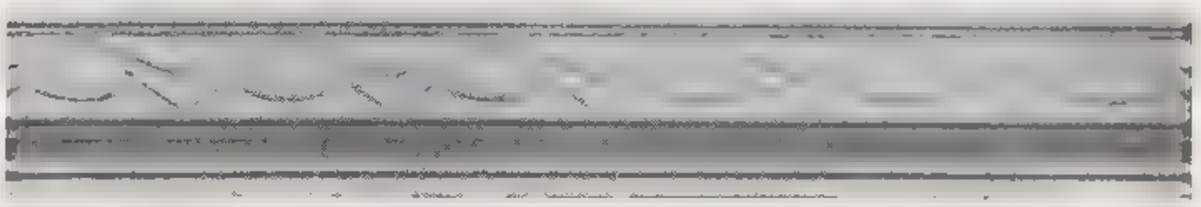
No. 1745—Cornice and Cover.



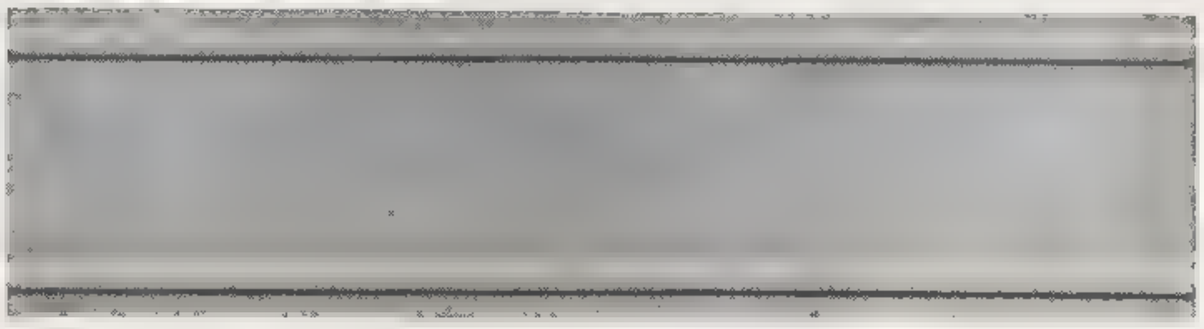
No. 1644—Cornice and Cover.

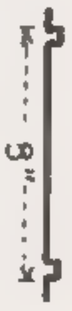


No. 1729—Cornice and Cover.



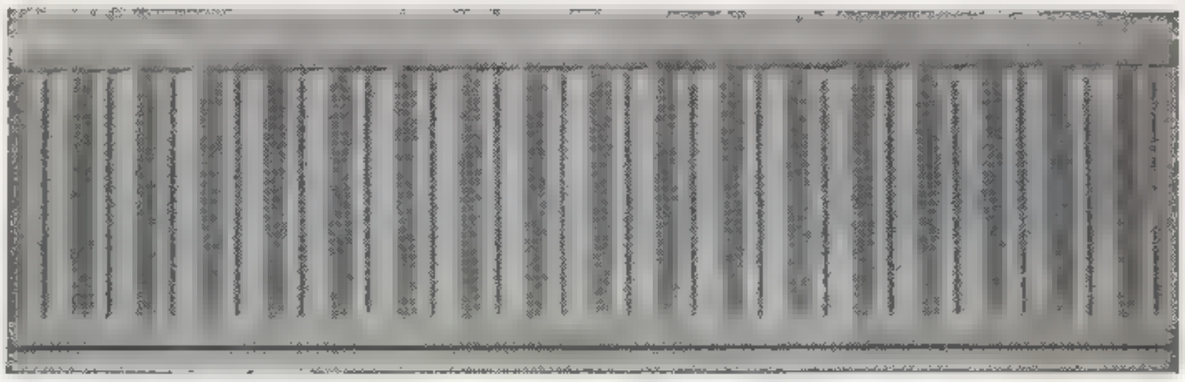
No. 1612—Plain Frieze, 8ins. wide, also available.
No. 1610—With vertical flutings, 8ins. wide.



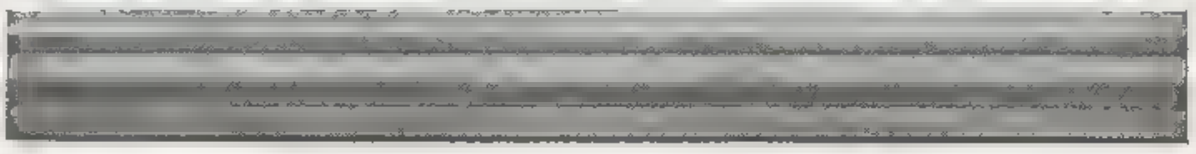


No. 1639—Fluted Frieze, 9½in. wide (as illustrated).

Also available:
No. 1621—Plain Frieze, 8in. wide.
No. 1645—Embossed Frieze, 10in. wide (coin ground).



No. 1730—Foot-mould.



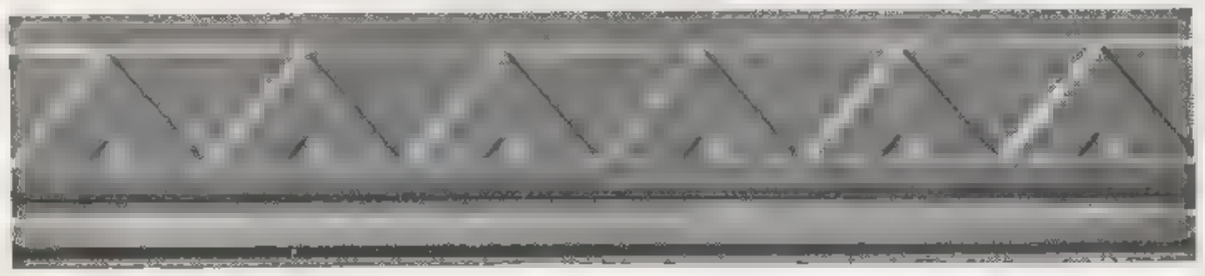
No. 1646—Foot-mould.

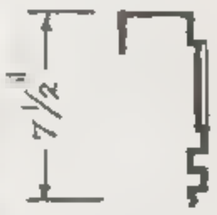
The above are supplied in 6ft. lengths in Galvanised Steel. Made to order also in Zinc or Copper if available.

NOTE.—When it is proposed to use a Metal Fascia to an Awning, the ironworker should be notified, to enable the necessary holes to be drilled in the iron fascia plate before erection. For the average type of Metal Fascia treatment the $\frac{7}{16}$in. hole is drilled at 2ft. 0in. centres 4in. from the top and 4in. from the bottom of the fascia plate. It is also necessary to shorten the projection of the steelwork by 3in., to provide for the projection of the metal awning fascia and wood firring.

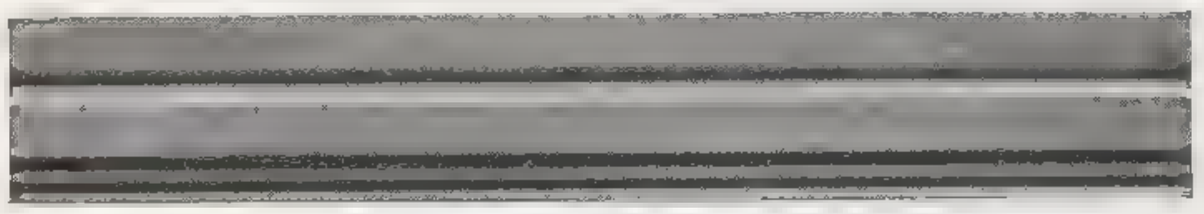
GALVANISED AWNING FASCIAS

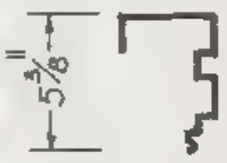
No. 1798—Cornice and Cover.



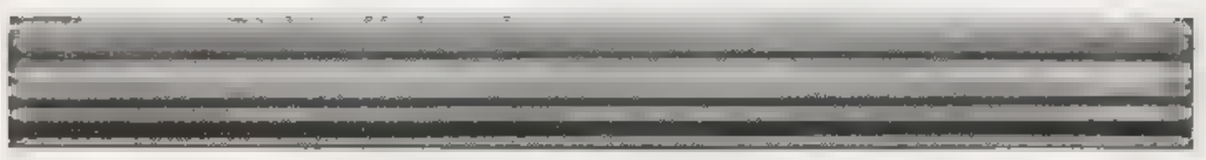


No. 1814—Cornice and Cover.



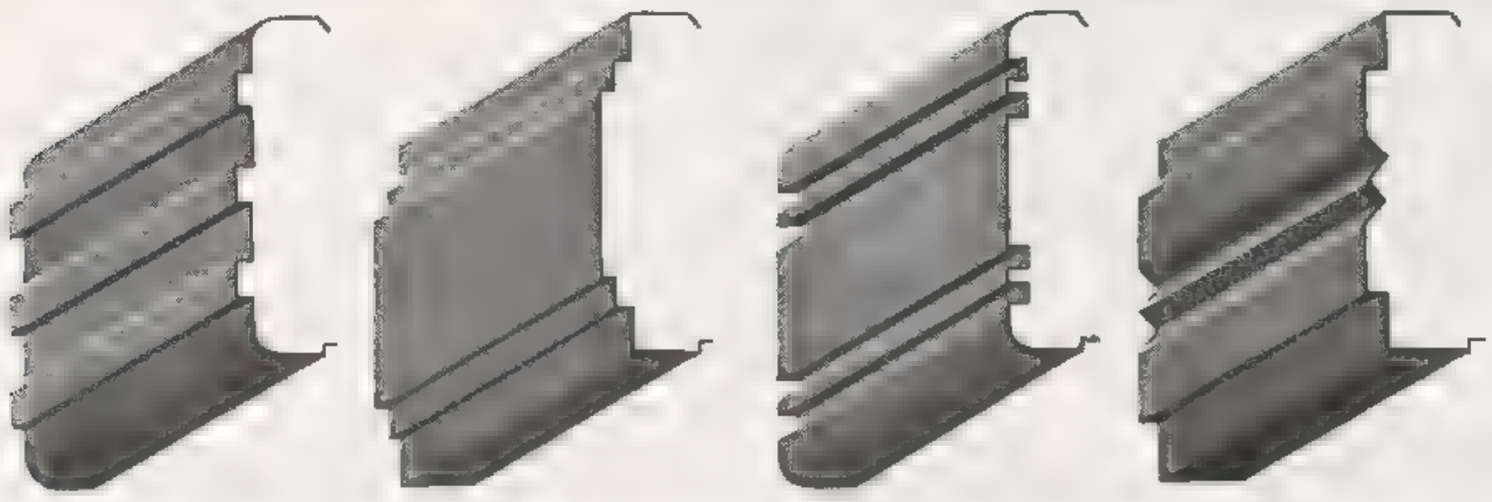


No. 1799—Foot-mould.



The above are supplied in 6ft. lengths in Galvanised Steel. Made to order also in Zinc, Brass or Copper if available.

SUGGESTIONS FOR FASCIA TREATMENTS OF SPECIAL DESIGN



Designs and quotations of suggested treatments to Awning Fascias in Galvanised Steel, Zinc, Brass or Copper submitted on application.

Awning Fascia and Ceiling treatment of special design.

WUNDERLICH METAL AWNING TREATMENTS OF SPECIAL DESIGN

At left: Oxidised Copper Awning Ceiling and Fascia to the "Herald" Building, Sydney.
Builders: Stuart Bros. Pty. Ltd.

Below: Satin-finished Aluminium Awning Ceiling and Oxidised Bronze Fascia to the Protestant Alliance Building, Sydney.
Architect: R. S. Hamilton and W. C. Brown (in association).
Builder: Hutcherson Bros.

NOTE: Quotations given subject to availability of raw materials.

WUNDERLICH METAL AWNING TREATMENTS OF SPECIAL DESIGN

At right: Satin-finished Aluminium Awning Ceiling and Fascia treatment to David Jones' Men's Store, Sydney.
Architect: Mackellar & Partridge.
Builder: John Grant & Sons Ltd.

Below: Satin-finished Aluminium Awning Ceiling and Fascia also Letters to Prouds Pty. Ltd. premises, Sydney.
Architects: Robertson, Marks & McCredie

NOTE: Quotations given subject to availability of raw materials.

VENTILATING FRIEZES AND SHEETINGS

No. 1720
Size 1 3/16" x 1/4"

No. 1721
Size 1⅜" x 1⅞"

No. 1722
Size 1¼" x 1¼"

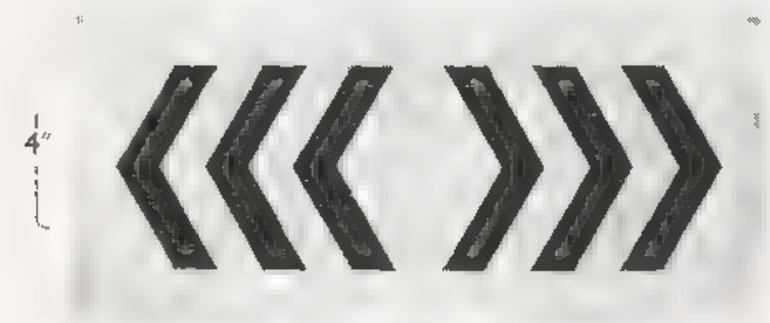
No. 1723
Size 1¾" x 5/16"

No. 1469
Size 3½" (over lugs).

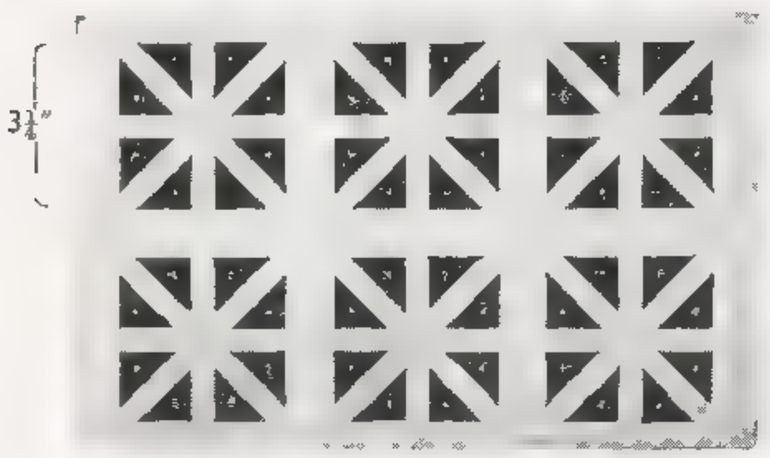
No. 1581
Size 3¼" x 3¼"

No. 1725
Size 1¾" x ½"

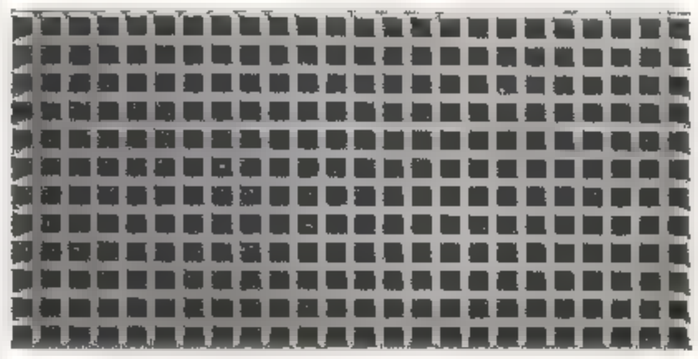
No. 1726
Size 4" x ¾"



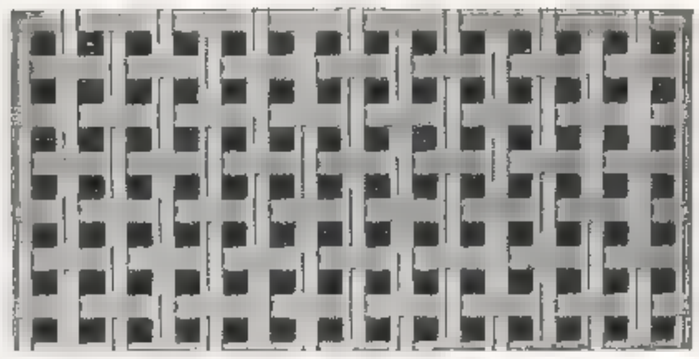
No. 1727
Size 3¼" x 3¼"



Ventilating Friezes are supplied in suitable lengths in sheet brass, copper, bronze, nickel silver, monel metal, aluminium and steel, either in natural colour or polished, or oxidised.
No. 1726 is available also in stainless steel.

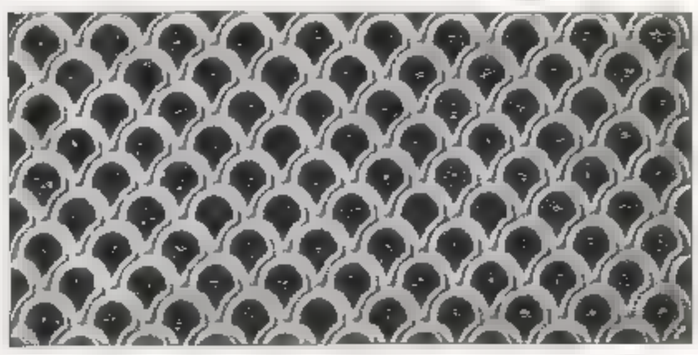


No. 1693—Zinc and Monel Metal: Stock size, 3ft. x 2ft

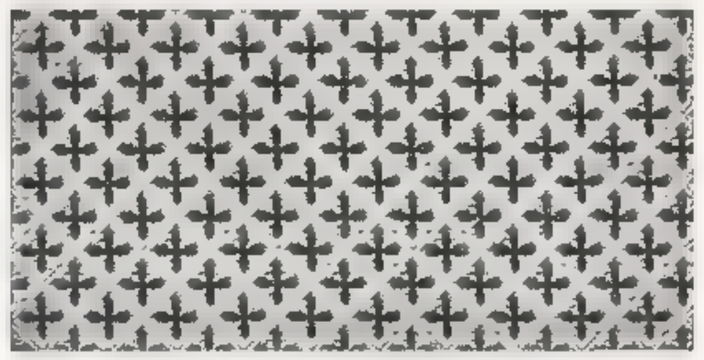


No. 1590—Steel. Stock size, 6ft. x 2ft.
No. 1590A—Galv.: Stock size, 6ft. x 2ft.
No. 1585—Zinc: Stock size, 3ft. x 2ft.

No. 1728—Zinc: Stock size, 6ft. 10in. x 18¾in.

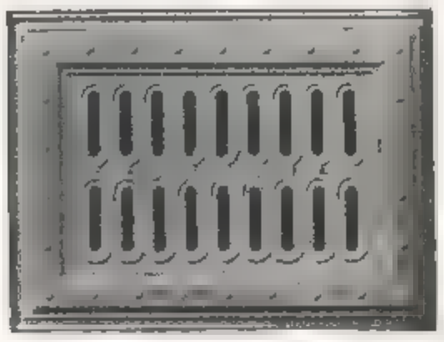


No. 1675—Zinc: Stock size, 3ft. x 2ft.



No. 1367—Steel: Stock size, 6ft. x 2ft.
No. 1367A—Galvanised Steel: Stock size, 6ft. x 2ft.
Illustrations represent 2ft. x 1ft.

VENTILATORS—STAMPED AND CAST

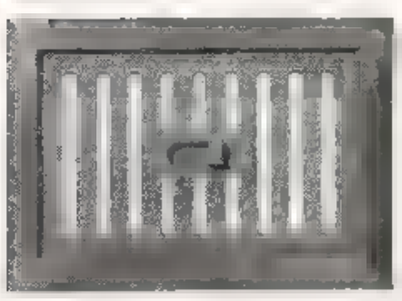


No. 1482—Open Vent.
Size: 9in. x 6in.
For internal walls.
Also available hit or miss with knob **No. 1480.**
No. 1752—Open Vent.
Size: 9in. x 3in.

No. 966.—Open Vent
Size: 9in. x 3in.
For internal walls.

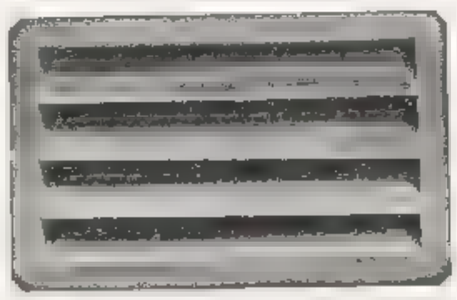
No. 1772—Cast.
Size overall:
10in. x 3in.
Size of opening:
9in. x 2in.

No. 1760—Cast.
Size overall: 9¼in. x 3¼in.
Size of opening.
8½in. x 2½in.

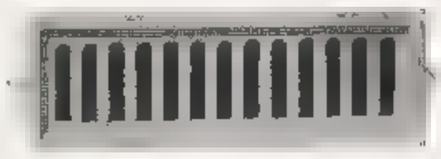


No. 1804—Cast Bronze
Hit or Miss Ventilator.
Size overall
10⅜in. x 7⅜in.
Size of opening,
9in. x 6in.

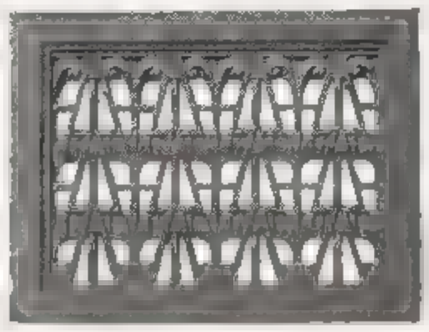
No. 1518—Open Vent.
Size: 9in. x 6in.
For internal walls.



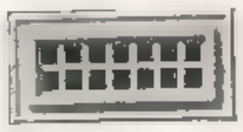
No. 142—Louvre.
Size: 9in. x 6in.
For external walls.

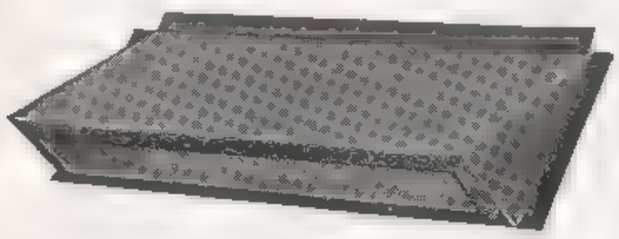


No. 1731—Cast.
Size overall:
11in. x 4in.
9in. x 3in.

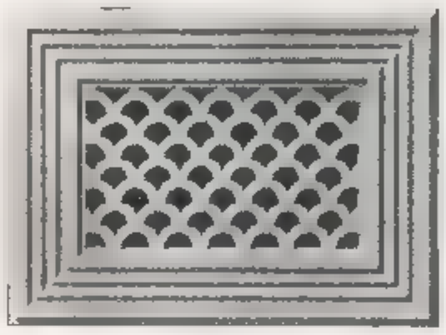


No. 1739—Cast.
Size overall,
10⅛in. x 8⅛in.
Size of opening,
9in. x 6in.

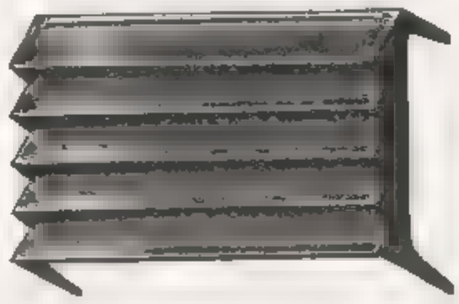




No. 1522—Galvanised Hood Vent,
fitted with fly wire.
Sizes: 12in. x 4½in. and 9in. x 6in.

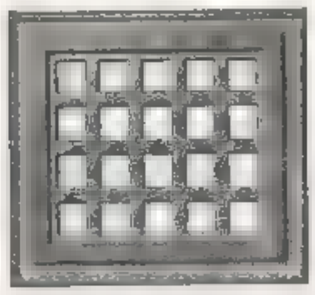


No. 1695—Stamped
Zinc Open Ventilator.
Size: 9in. x 6in.
For internal walls.



No. 121—Louvre. Cast.
Size: 9in. x 6in.
For external walls.

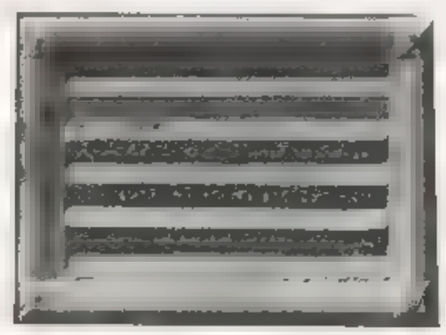
No. 1790—Pressed
Louvre Ventilator.
Size 4in. x 2in. overall.
Steel, painted or ducoed;
also in Monel Metal.



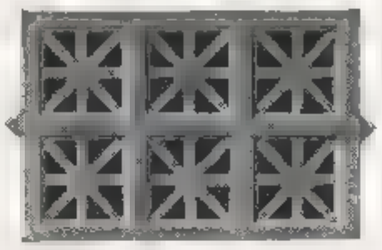
No. 1788—Stamped
Zinc or Brass Vent.
Size overall
7¼in. x 7in.

No. 1704—Stamped
Copper Open Ventilator.
Size 6in. x 3in overall.

No. 1801—Cast.
In Bronze or
Aluminium.
Size overall:
6in. x 6in.



No. 965—Louvre. Cast.
Size: 9in. x 6in.
For external walls.



No. 1736—Cast.
Size overall.
10in. x 6¼in.
(excl. of Lugs.)
Size of opening,
9in. x 6in.

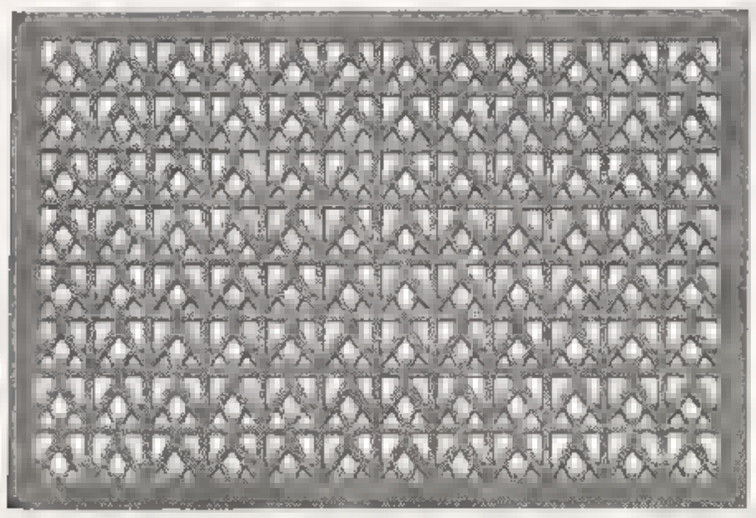
Also No. 1551—Cast.
Size overall, 9¾in. x 3½in.
Size of opening,
9in. x 3in.

Nos. 1480, 1482, 1518 and **1752** are supplied ready for use in Steel, painted white; **Nos. 966, 1695, 1699** and **1788** in Plain Zinc; **Nos. 142** and **1522** in Plain Galvanised Steel; **Nos. 121** and **965** in Plain Cast Zinc; **No. 1704** in Plain Copper, and **No. 1788** also in Oxidised Brass.

The following Ventilators are available in Cast Brass, Bronze, Nickel-Silver, Aluminium, etc., either as cast, polished, satin-finished or oxidised, viz., **Nos. 1551, 1731, 1736, 1739, 1760** and **1772.**

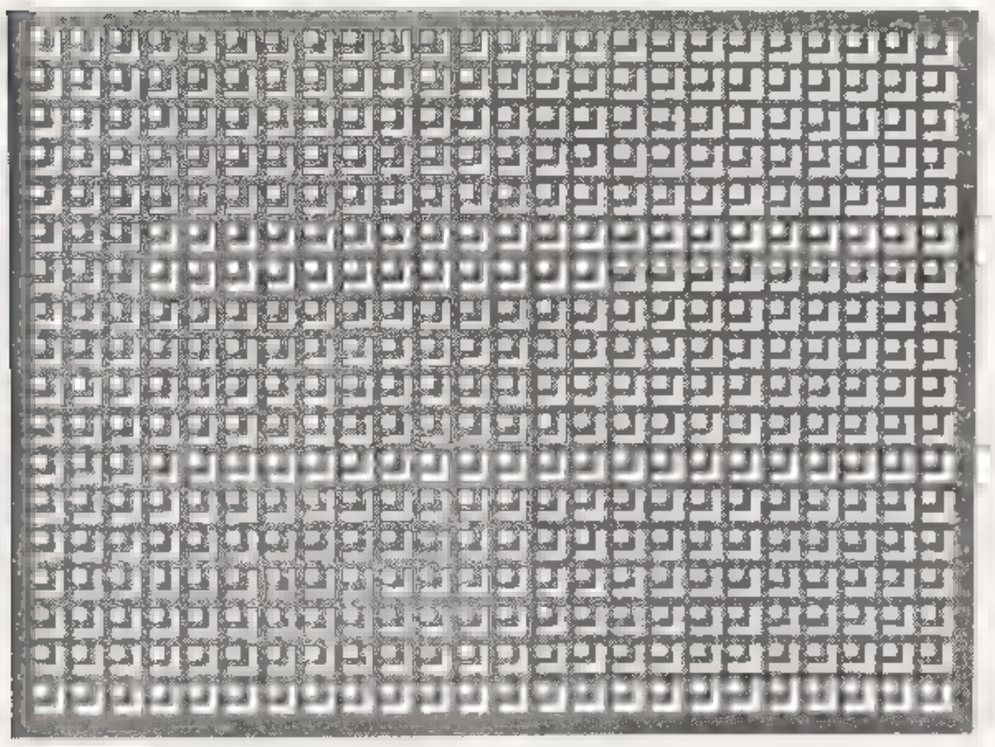
Note.—The "Size of opening" refers to the dimensions of the wall opening.

CAST VENTILATORS AND GRILLES



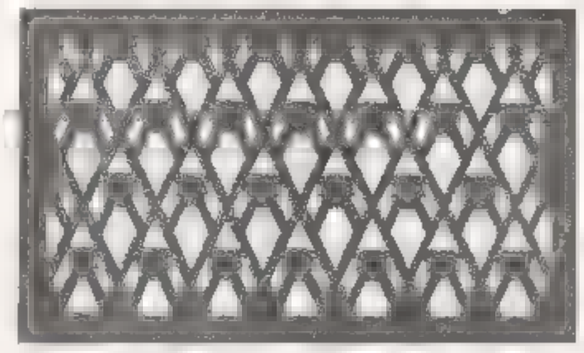
No. 1796—Size 12in. x 18in. x ¼in.
The Pattern is 1½in. square.

Cast Ventilators or Grilles as illustrated are available in the maximum sizes shown, and in addition in sizes representing any portion of these maximum overall dimensions. When ordering, specify size overall, metal, viz., Bronze, Aluminium or Zinc, and the finish desired, viz., Satin-finished, Polished, Oxidised, or as Cast. Bronze Castings are also supplied Chromium Plated, if desired

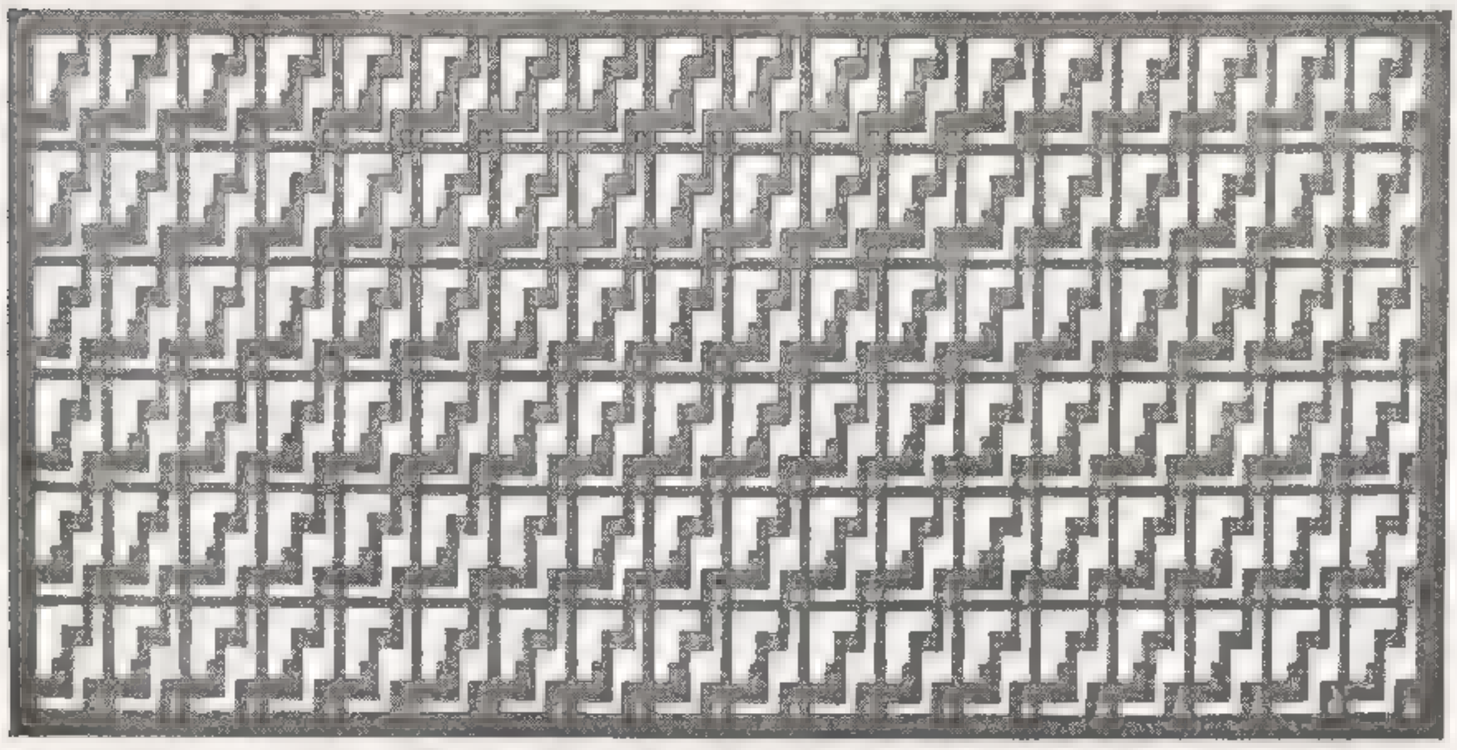


No. 1797—Size 18in. x 24in. x ½in.
The Pattern is 1in. square.

Drawings and quotations furnished for Cast Ventilators of special design, a'so for all types of Architectural Metalwork in Bronze, Aluminium Brass, Zinc, Stainless Steel, Monel Metal etc



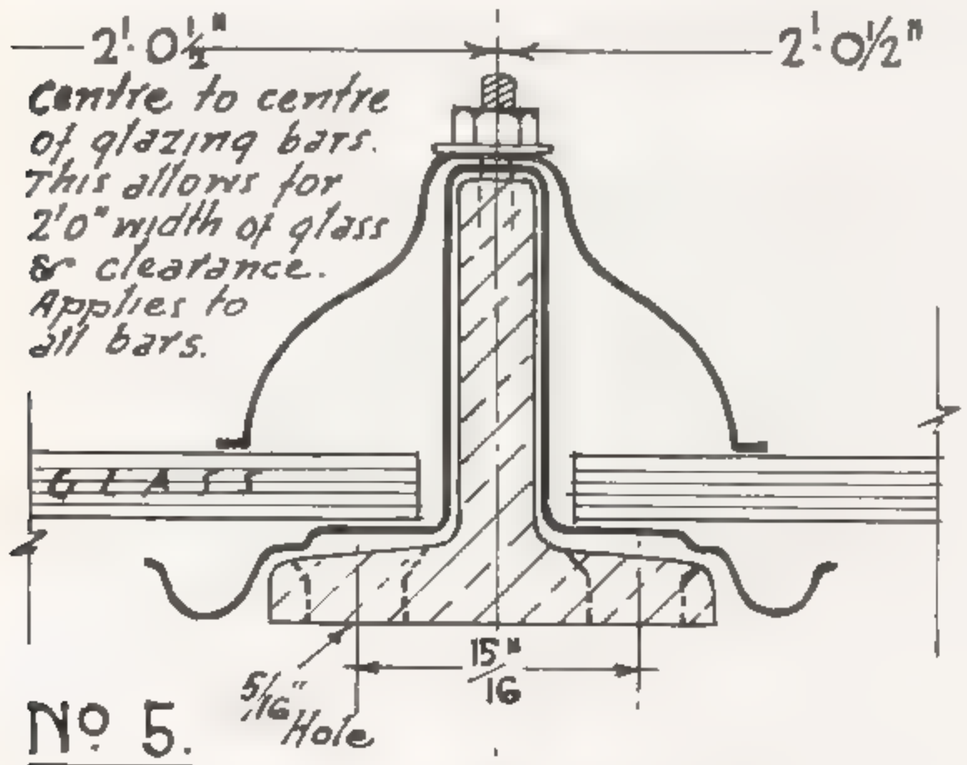
No. 1782—Cast Bronze.
Size: 15in. x 9in. overall.
Also made to order up to
3ft. 3in. x 1ft 3in. overall.



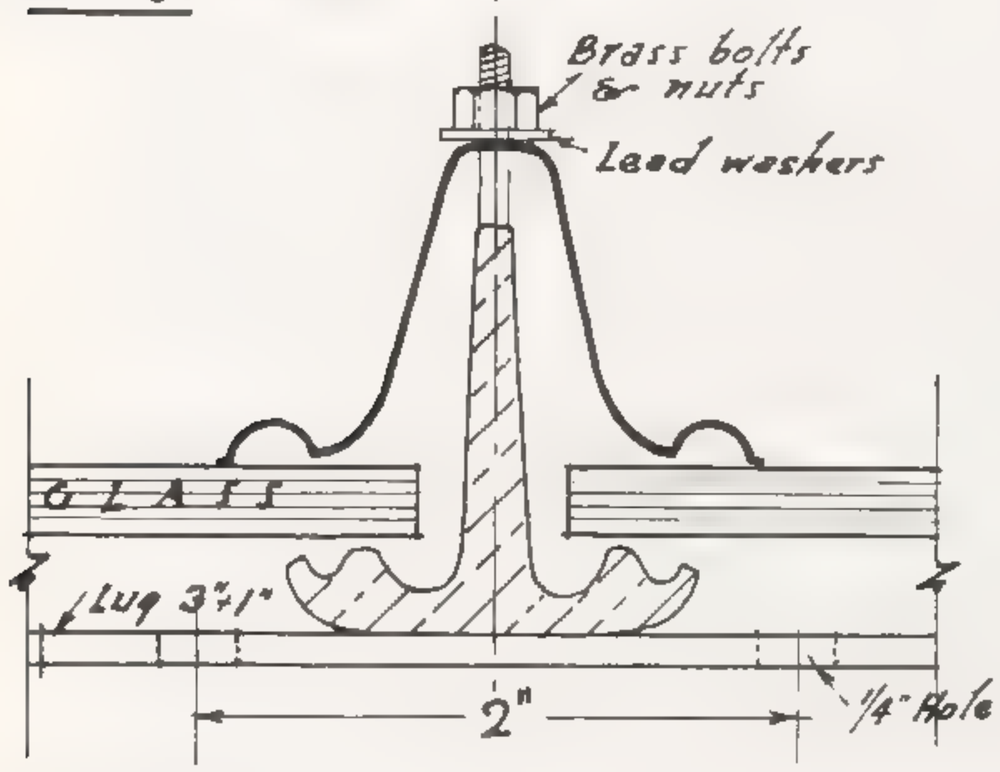
No. 1795—Size 18in. x 36in. x ¼in. Pattern 3in. x 2in.

NOTE : Quotations given subject to availability of raw materials.

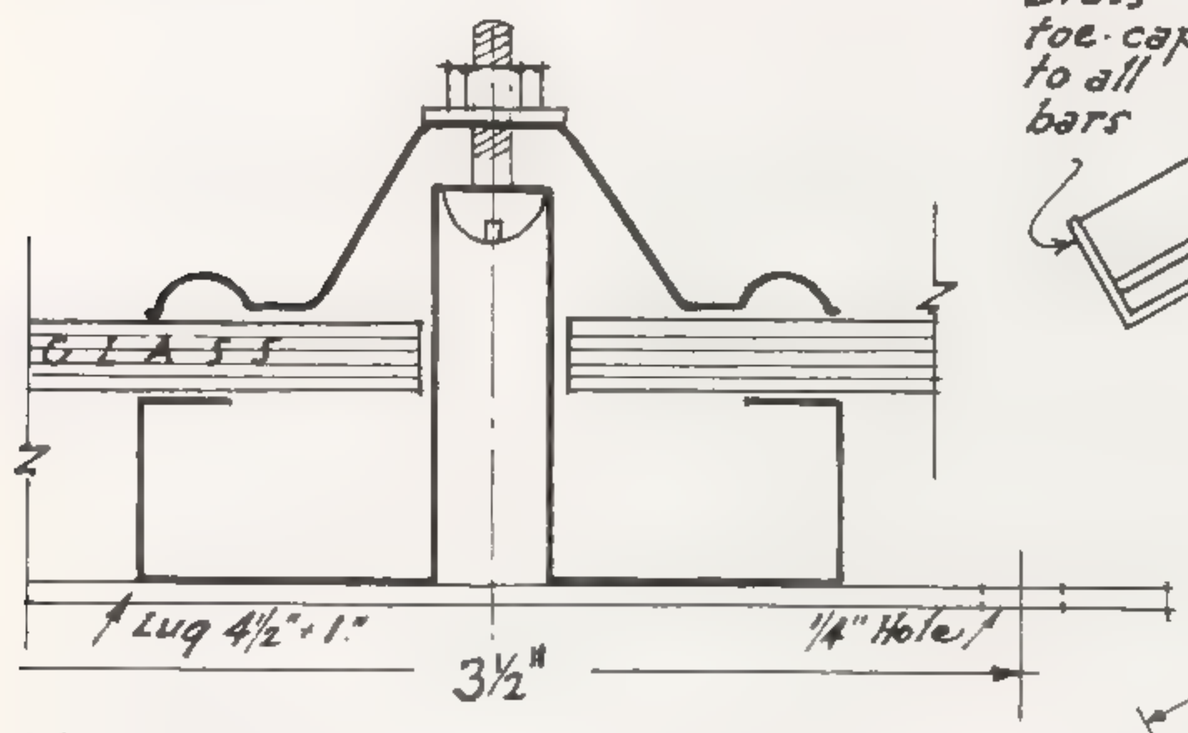
GLAZING BARS



No. 5.



No. 8.



No. 7.

No. 5 BAR

Suitable for spans up to 8′ 6″ without intermediate support. For longer spans, intermediate support—at maximum 8′ 6″ centres—must be provided, and the bars, if necessary, stepped for use with overlapping glass.

Cappings in 12-gauge zinc or 16-oz. copper (if available). Tee iron 1½″ x 1½″ x ¼″ section.

No. 8 BAR

Suitable for spans up to 7′ 6″ without intermediate support. For longer spans, intermediate support—at maximum 7′ 6″ centres—must be provided, and the bars, if necessary, stepped for use with overlapping glass. Capping in No. 12-gauge zinc, 16-oz. copper (if available), or 24-gauge galvanised iron.

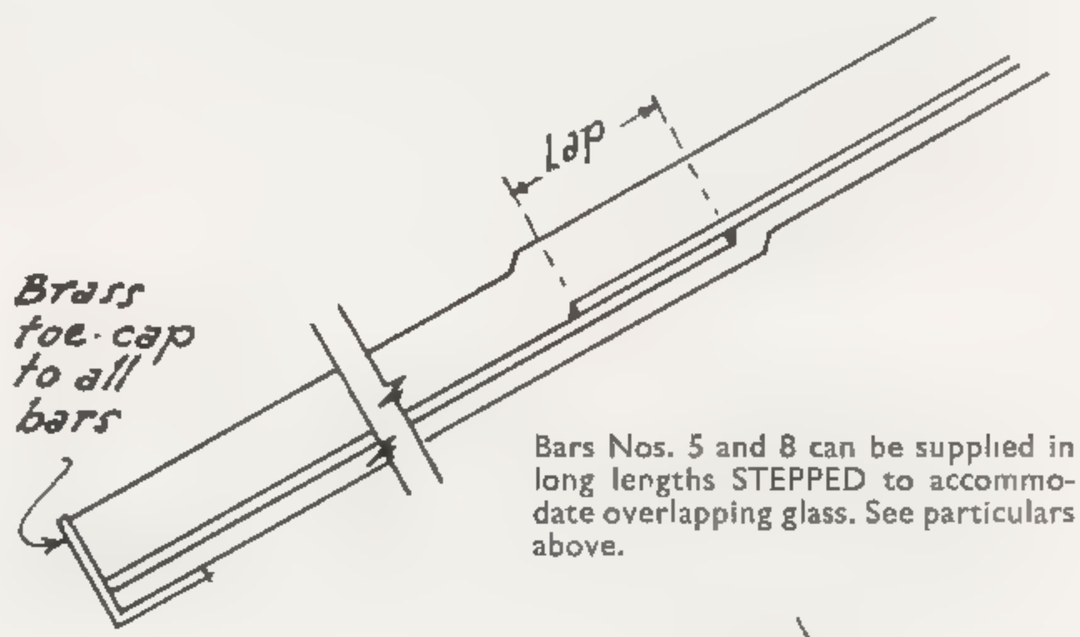
Tee iron 1⅜″ x 1⅜″ section, supplied painted, without asbestos cord, but, if specially ordered, can be galvanised at slight extra cost. Asbestos cord can be supplied for the outer channels of the tee iron, or for the beads of the capping section, or for both, at slight extra cost.

No. 7 BAR

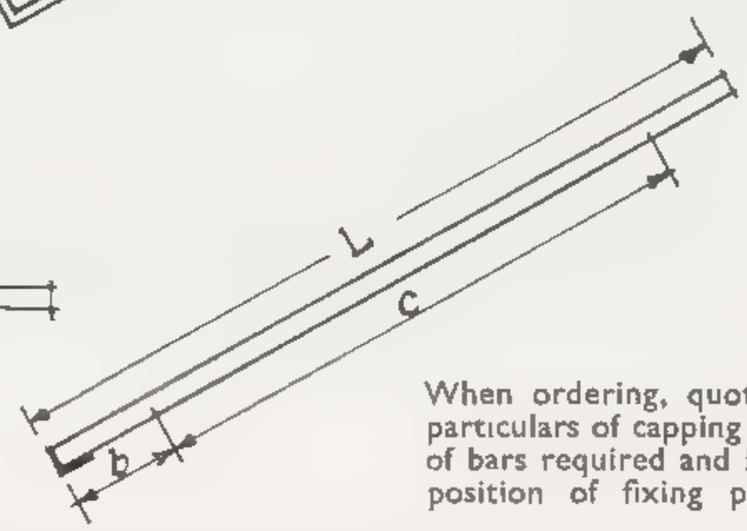
Suitable for spans up to 6′ without intermediate support. Longer lengths, for use with intermediate support, can be supplied to the limit of glass lengths available (usually about 9′). Supplied in 16-oz. copper (if available) or 24-gauge galvanised iron.

Asbestos cord can be supplied for the beads of the capping section at slight extra cost.

Fixing holes drilled at centres and to sizes shown, unless otherwise instructed.



Bars Nos. 5 and 8 can be supplied in long lengths STEPPED to accommodate overlapping glass. See particulars above.



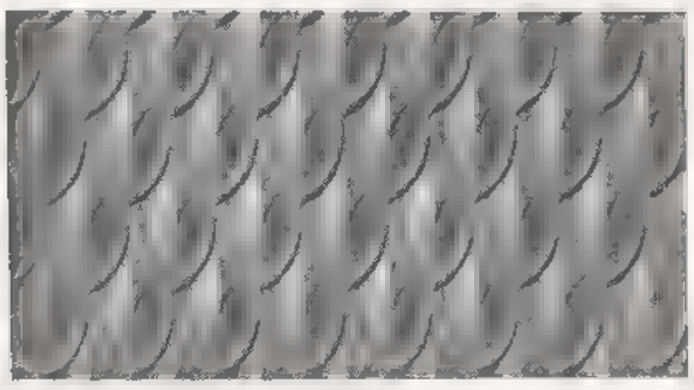
When ordering, quote No. of Bar, particulars of capping metal, number of bars required and length (L), also position of fixing points b & c.

Wunderlich Glazing Bars are ideal for Roof Lights, Glass Houses, Studios, Sawtooth Roofs, and in fact wherever an abundance of roof light is required.

Wunderlich Glazing Bar Construction forms a weatherproof roofing for all time, as it obviates the use of perishable caulking mediums, putty, etc.

Wunderlich Sheet Metal Ceilings

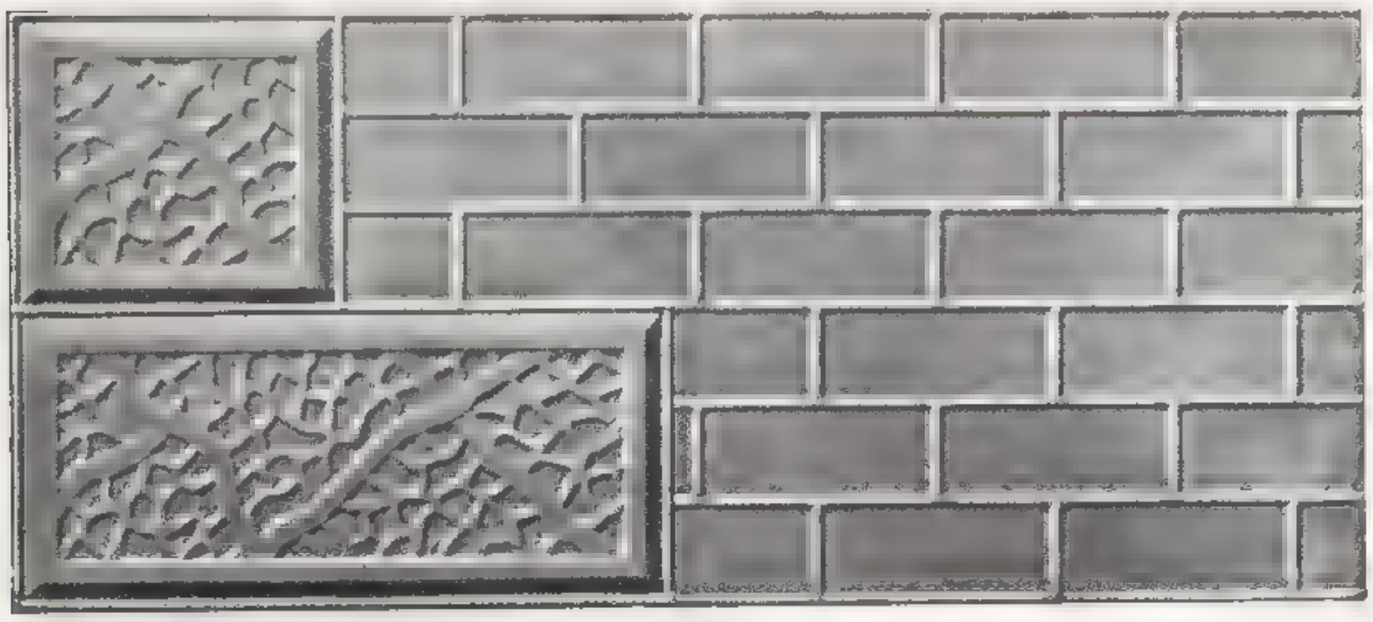
GALVANISED SHEETINGS



3⅜in. **No. 189**—Fish-scale Sheeting.
Covering capacity:
6ft. x 3ft. Sheet—5ft. 11in. x 2ft. 10½in.

5⅞in. **No. 751**—Fish-scale Sheeting.
Covering capacity:
6ft. x 3ft. Sheet—5ft. 10in. x 2ft. 8½in.

Both Fish-scale Patterns shown are stamped in Sheets 6ft. x 3ft. Pattern **No. 189** is also available in 6ft. x 2ft. Sheets.

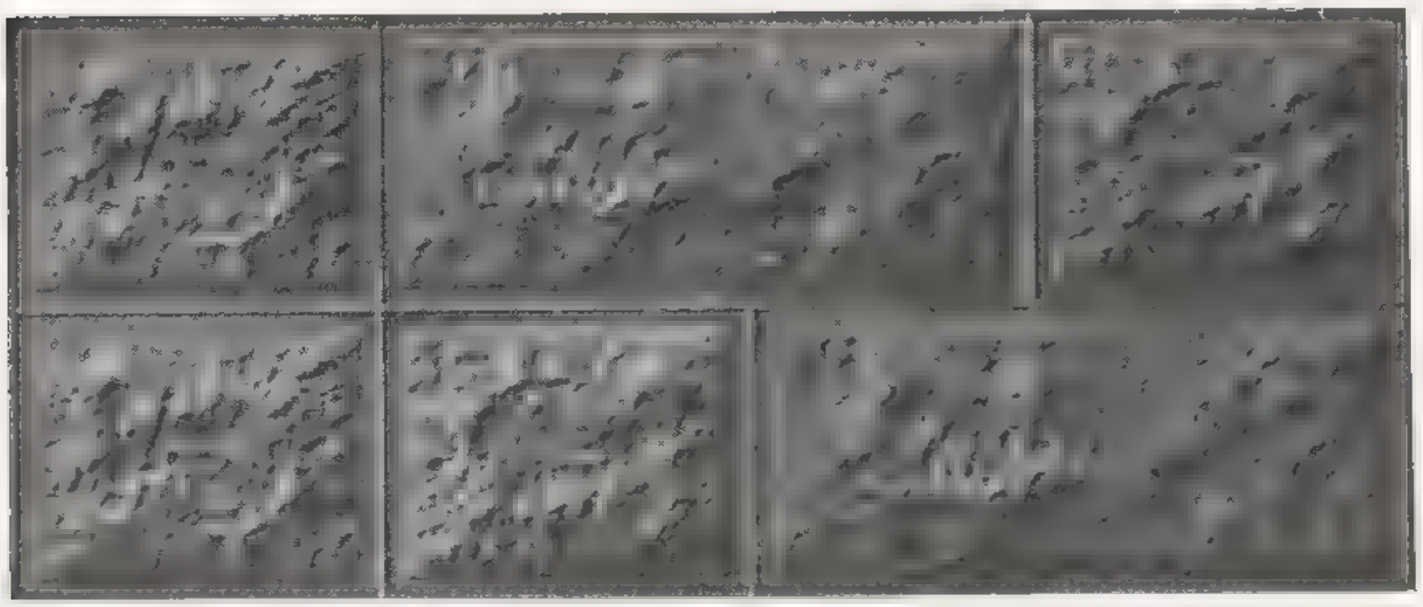


No. 1147.—Vermiculated Quoins.

No. 1046.—Brick Sheeting.

No. 1147—Vermiculated Quoins, made in Galvanised Steel, and stocked in two sizes, viz., 1ft. 11¼in. x 10½in. high and 11⅝in. x 10½in. high.

No. 1046—Brick Sheeting, stamped in Galvanised Steel. Stock size of Sheets, 6ft. x 3ft. (Covering capacity, 5ft. 8½in. x 2ft. 11in.)



No. 990—Pilaster Sheets in Galvanised Steel.

No. 989—Imitation Rock-face, in Galvanised Steel.

No. 989—Supplied in various sizes as under:

5ft.	10in.	wide	x	10½in. high
3ft	10½in.	wide	x	10½in. high
1ft.	11½in.	wide	x	10½in. high
1ft.	7½in.	wide	x	10½in. high
1ft.	4in	wide	x	10½in. high
1ft	2in.	wide	x	10½in. high
1ft.	1in.	wide	x	10½in. high
	11⅝in.	wide	x	10½in. high

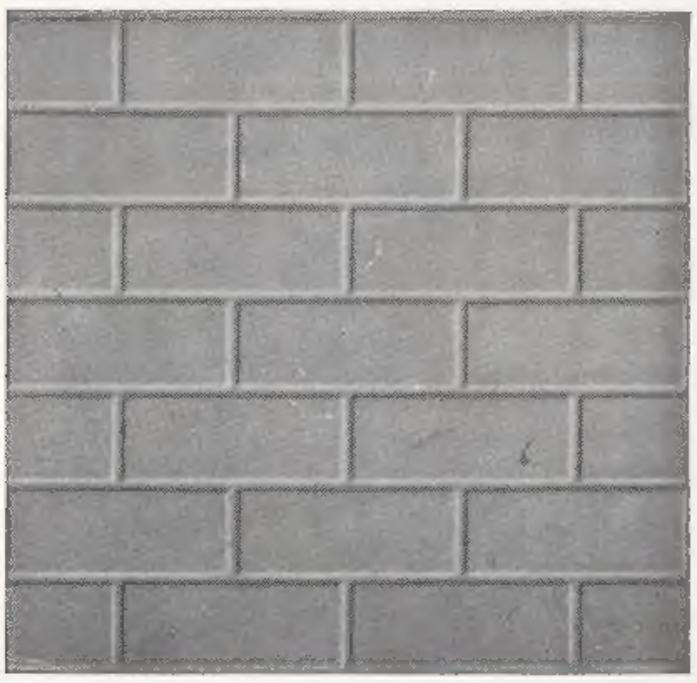
No. 990—Supplied in Sheets 1ft. 1¾in. wide x 5ft. 3in. high (6 blocks to the sheet).

NOTE: Imitation Rock-face, Brick Sheeting and Vermiculated Quoins, when painted and sanded, are indistinguishable from the materials they represent.

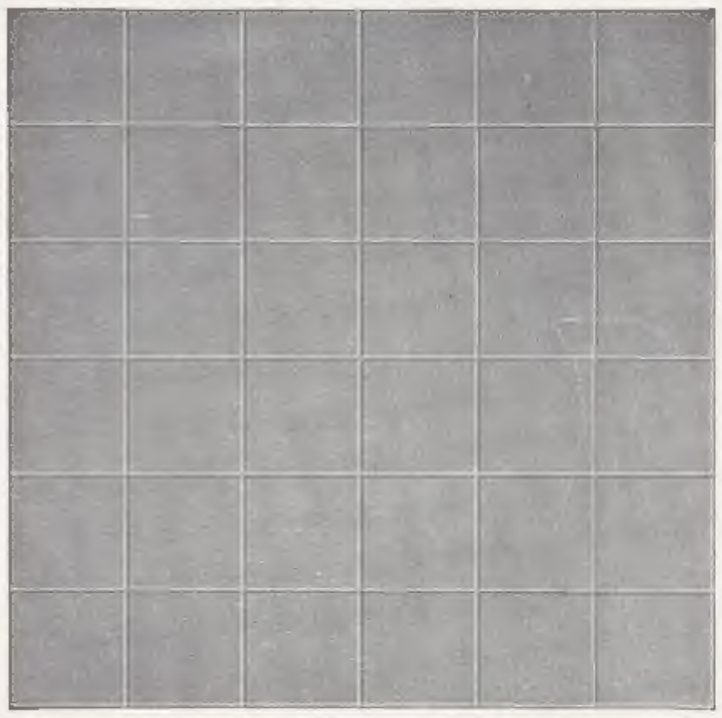
GALVANISED SHEETINGS

No. 1591*—Tile Pattern, Sheets 6ft. x 2ft.*

No. 220*—Brick Pattern, Sheets 6ft. x 2ft.
(Unsuitable for exterior use.)

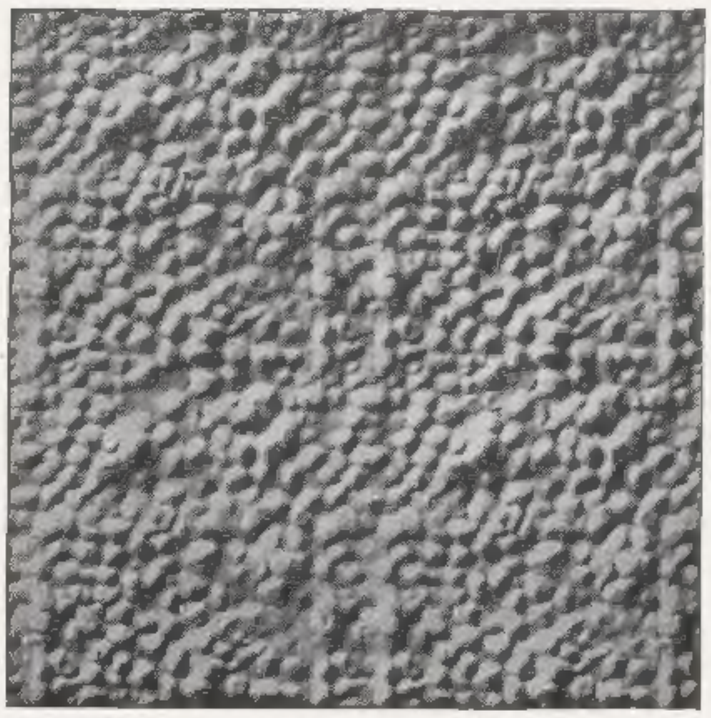


No. 1046—Brick Pattern, Sheets 6ft. x 3ft.
Covering capacity of Sheets, 5ft. 8½in. x 2ft. 11in.



No. 1662*—Tile Pattern, Sheets 6ft. x 2ft.

No. 1504—Shingle Pattern, Sheets 6ft. x 3ft.
Covering capacity of Sheets, 5ft. 10in. x 2ft. 9in.



No. 1045—Roughcast Pattern, Sheets 6ft. x 3ft.
and 6ft. x 2ft.
Covering capacity of 6ft. x 3ft. Sheets,
5ft. 8½in. x 2ft. 11in.

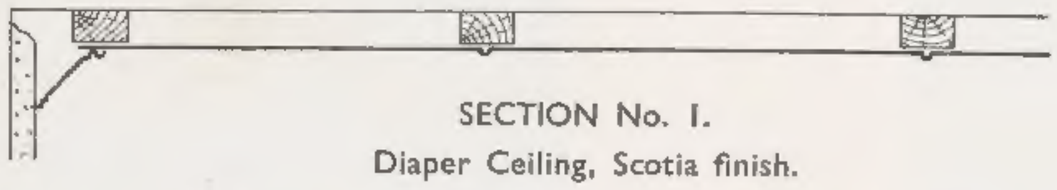
Patterns **Nos. 1591, 1662** and **220** are used as linings for the interior walls of Bathrooms, Kitchens, Shops, etc. Internal and External Angle Strips, **Nos. 1369** and **1368,** should be used in conjunction with these sheetings. See Pages 18 and 35.
Nos. 1504, 1046 and **1045** are manufactured in heavy gauge Galvanised Steel, and are used for the exterior treatment to walls, roofs, etc. The above illustrations represent 2ft. x 2ft.
***Nos. 1591, 1662** and **220** are stocked also in Steel, for interior use away from moisture.

Note.—Imitation Brick or Roughcast Sheeting, when painted and sanded, is indistinguishable from the materials they represent. The above illustrations represent 2ft. x 2ft.

HOW TO FIX WUNDERLICH CEILINGS

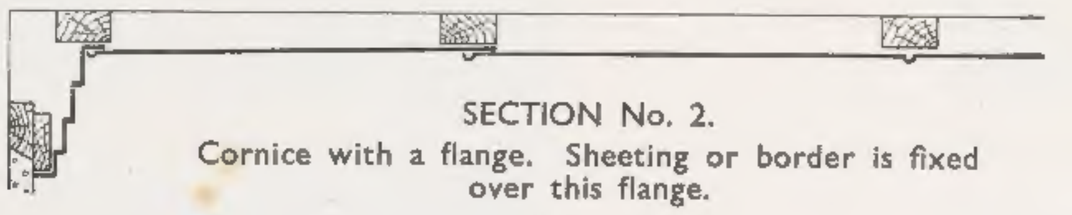
SECTIONS OF CEILING SHOWING METHODS OF FIXING

Wood Brackets and Joints

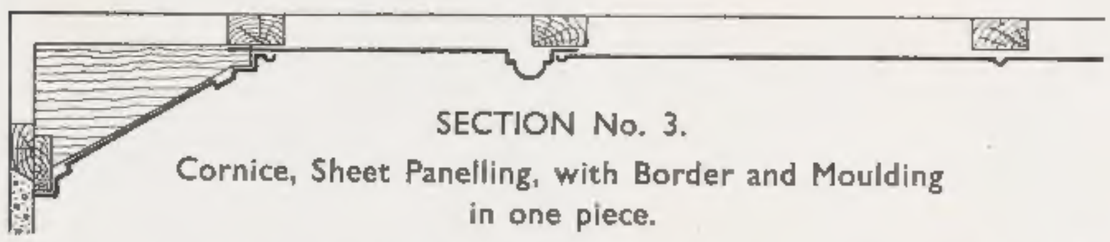


SECTION No. 1.
Diaper Ceiling, Scotia finish.

Having fixed battens, first fix sheetings to the ceiling battens and then fix the scotia. Wood brackets are used at the joints of the scotia. On account of the depth of this scotia being less than 2in., no batten is necessary on the wall.



SECTION No. 2.
Cornice with a flange. Sheeting or border is fixed over this flange.



SECTION No. 3.
Cornice, Sheet Panelling, with Border and Moulding in one piece.

NOTE.—Many of our Cornices and Mouldings are provided with a bead on the edge to go over fillings or border pattern, and so avoid close trimming of the sheet.

The use of combined border and moulding enables the pattern in the ceiling to work out with a full ornament. The border can be cut to make up irregularities in the size of the room.

MITRE LEAVES

TOOLS

Tools required are: Hammer, bradawl, punch, pair of snips, saw and tucking chisel.

GENERAL DIRECTIONS

Fix 1½in. x 1in. battens from the centre of room at 12in. centres across the joists; the batten nearest the wall must be set out a distance from the wall to suit the projection of the cornice or scotia. Trimmer battens are cut in and skew nailed to take the ends of sheets and the cornice. Taking the batten nailed to lowest joist as the level, wedges are driven between the battens and the other joists, where necessary, to adjust any difference in level.

It is essential that a batten is fixed under all joints of sheeting and a wood bracket at the joints of cornices.

When using 6in. or 8in. patterns, the centreing of the pattern is not so important. With larger patterns, however, a border such as **No. 1406** or **No. 1680** is employed to avoid waste and also cutting into the design. We do not recommend borders over 12in., although it is sometimes necessary to exceed this width.

CORNICES

Cornices with a bead at the top member are fixed over the sheeting or border—if the latter is used—see Section No. 1. Cornices with a flange in lieu of a bead are fixed first and then the sheeting or border is cut up to the cornice.

Border **No. 1406** finishes with a bead against the top member of the cornice—see Section No. 2.

Small Cornices and Scotias with a depth of less than 2in. do not require a batten on the wall and are usually clean mitred at the angles.

Larger Cornices require a batten 1½in. x ½in., which is nailed to plugs in the wall to take the bottom member of the Cornice —see Section No. 2 and No. 3.

A metal Cornice can be dressed or tucked down on the sheeting, in contrast to a wood cornice, which rides on the embossed portion of the pattern, and, therefore, does not make a good finish.

New buildings having plaster walls should have a bevelled ground fixed to which the 1½in. x ½in. batten is secured for the bottom of the Cornice.

The walls must be floated before the metal material is fixed.

For old brick buildings, plugs should be inserted and battens fixed thereto.

For mitreing, allow one length of the Cornice to butt on to the wall scribing the opposite length to it, covering the joint with a mitre leaf, using a little putty on the edge of the leaf before pressing it into the angle; then nail to battens and brackets.

Mitre Leaves are made for Internal, Internal Octagonal, External and External Octagonal Mitres.

Cover battens are not required with Metal Ceilings, as each sheet has a bead which overlaps the adjoining sheet. Tack the sheets temporarily in position until all beads are correctly lined up. Use a punch for completing the nailing and then tuck the edge of the beads with an old chisel or plane blade so that they lie close and even.

WORKING PLANS

Working plans for the guidance of clients are supplied with design orders, and these show full size sections of Cornices and Mouldings, also the setting out of steel material and battens.

BATTENS

There are several local semi-hardwood or pine timbers available for battens, and the State Forestry Commission will gladly give information on the subject. These local timbers are preferable to imported timbers, as the latter are stored in salt water prior to cutting up and have proved to be unsatisfactory for metal ceiling fixing owing to the corrosive action of their salt content.

HOW TO FIX DADOS AND WALL LININGS

Dado and Wall Lining Materials are attached to battens fixed to plugs in the wall or nailed to wood studs, but it is advisable that the lower three feet of the Metal Sheeting be attached to wood lining boards or batten at 6in. centres. If the Ceilings are also to be of metal, they should be fixed first.

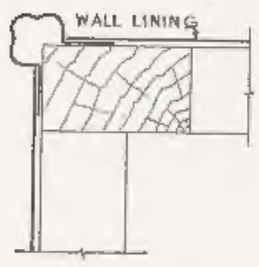
Obtain the height of dado and strike a perfectly horizontal line for the top of dado panels, allowing for height of wood skirting.

Now fix the battens for Metal Sheetings in a similar manner as for Ceilings, bearing in mind that it is essential to get an equal amount of the pattern on each side of the room. A batten should be placed under each joint and one under the centre of the sheet. If sheet is fixed vertically, cut in battens at 24in. centres.

When all battens are in position, fix Dado Moulding and Angle Strips. (See **Nos. 1368, 1369.**)

Dado Panels and Metal Sheeting should now be fixed. Place the lower bead of the wall sheet along the flange on the Dado Moulding and cut the pattern up to the bottom flange of the Cornice.

STEEL ANGLE STRIPS



Steel External Angle Strip, used with our Steel Wall Linings. (Third Actual Size.)

No. 1368

Steel Internal Angle Strip, used in conjunction with our Steel Wall Linings. (Third Actual Size.)

No. 1369

Angle Strips **Nos. 1368** and **1369** are supplied in 6ft. lengths.

HOW TO PAINT WUNDERLICH CEILINGS

STEEL MATERIAL

Paint manufacturers have put on the market ready-mixed oil paints with a white lead and zinc white base suitable for painting Metal Ceilings. For the second coat add turpentine to give an eggshell or matt finish, which is recommended (except for awning and other outside ceilings, where a glossy finish—as explained below—is advisable). Should a third coat be desired to make a better finish, add mineral turps as with No. 2 coat.

DO NOT USE DISTEMPER OR WATER PAINTS, as there is no absorption with metal, and it will peel off the film of oil paint with which the steel sheets are primed on both sides before leaving our factory.

The directions for mixing paint are as follows:

COAT No. 1.—This should consist of pure white lead brought to the required consistency with a mixture consisting of three parts of raw oil and one part of turps. A small quantity of goldsize should be added, for drying purposes.

COAT No. 2.—Similar to Coat No. 1 except that an equal quantity of zinc white may be added to the base. To obtain a matt finish, use, say, half turps and half oil, in addition to the colours or tints required.

COAT No. 3.—Should a third coat be used, it would be similar to Coat No. 2.

Where necessary for stopping joints, mitre leaves, bosses, etc., the best oil putty should be used.

If the final finish is to be white it will be found that the intensity of white can be maintained longer by the addition of a small quantity of ultramarine blue in the various coats of paint. A light cream or old ivory finish, however, is more pleasing and gives a softer reflection of light.

AWNING CEILINGS

A gloss finish is recommended and can be obtained by adding a small quantity of varnish as required.

ALUMINIUM FINISH

After treatment of the Galvanised Steel or Zinc material apply two coats of a recognised brand of aluminium paint.

GALVANISED OR ZINC MATERIAL

Before painting or spraying galvanised iron or zinc surfaces, it is essential that the greasy microscopic film of palmitate of zinc, left on the sheets during manufacture, is removed.

Removal can be effected by:

(1) Allowing the metal to weather for a considerable period.

(2) Treating the surface of the metal with the following mixture:

Chloride of Copper ..	1 lb.	Hydrochloric Acid ..	1 lb.
Nitrate of Copper ..	1 lb.	Ammonium Chloride ..	1 lb.
Water	8 lb.		

Apply with a brush and leave on for several hours, then wash down with clear water to remove excess chemicals and allow the surface to thoroughly dry.

Note.—As this etching mixture is somewhat corrosive, care must be taken when applying that it does not come in contact with the hands. It is essential also that every trace be removed from the sheets before painting.

Wunderlich Metal Ceilings

WUNDERLICH

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